

**Before the  
FEDERAL COMMUNICATIONS COMMISSION  
Washington, D.C. 20554**

In the Matter of )  
 )  
Advanced Television Systems )  
and Their Impact upon the Existing ) MM Docket No. 87-268  
Television Broadcast Service )

**SECOND MEMORANDUM OPINION AND ORDER ON RECONSIDERATION OF  
THE FIFTH AND SIXTH REPORT AND ORDERS**

Adopted: November 24, 1998 ; Released: December 18, 1998

By the Commission:

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## I. INTRODUCTION

1. By this action, the Commission addresses petitions for reconsideration of the *Memorandum Opinion and Order on Reconsideration of the Fifth Report and Order (Service Reconsideration Order)* and the *Memorandum Opinion and Order on Reconsideration of the Sixth Report and Order (Allotment Reconsideration Order)* in this proceeding.<sup>1</sup> In the *Service Reconsideration Order*, we addressed petitions for reconsideration of our eligibility standards for the initial DTV channels and other rules and procedures for broadcasters to convert to digital television (DTV) service. In the *Allotment Reconsideration Order*, we addressed petitions for reconsideration of our decisions on a Table of Allotments for digital television (DTV) service, policies and rules for the initial DTV allotments, procedures for assigning those allotted channels, and plans for spectrum recovery. Development of the DTV Table of Allotments has been a complex process requiring the balancing of many policy and technical factors. Our principal goal in this proceeding has been to provide all eligible television broadcasters with a second channel that, to the extent possible, replicates the service area of their existing stations and to provide for the recovery of spectrum that will not be needed for DTV service.<sup>2</sup> We have also sought, however, to accommodate the specific requests of individual broadcasters in this process wherever possible to the extent that such actions would not compromise our general policies and goals in the allotment of channels for DTV service.

2. In this action, we are generally reaffirming our DTV eligibility and allotment policies. We are, however, revising and clarifying certain of our DTV allotment policies in response to petitioners' requests. In particular, we are: 1) modifying our policy restricting requests for maximization of UHF DTV station power to 200 kW to provide flexibility for DTV licensees to request higher power where certain conditions are met; 2) clarifying our policy with respect to pending applications to modify existing analog, or NTSC, television facilities; and 3) clarifying our policy with respect to protection of allotments for proposed new NTSC stations.<sup>3</sup> We are also making several adjustments to the DTV Table in response to requests of individual petitioners. These actions will resolve the remaining issues regarding our policies and rules for DTV and NTSC channel allotments.

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<sup>1</sup> See *Memorandum Opinion and Order on Reconsideration of the Fifth Report and Order* in MM Docket No. 87-268, adopted February 17, 1998, 13 FCC Rcd 6860 (1998); and *Memorandum Opinion and Order on Reconsideration of the Sixth Report and Order* in MM Docket No. 87-268, adopted February 17, 1998, 13 FCC Rcd 7418 (1998). See also *Fifth Report and Order* in MM Docket No. 87-268, 12 FCC Rcd 12809 (1997) and *Sixth Report and Order*, MM Docket No. 87-268, 12 FCC Rcd 14588 (1997).

<sup>2</sup> See, for example, *Sixth Report and Order*, at paras. 1, 11, 29, and 34.

<sup>3</sup> "NTSC" is the name commonly used for the existing analog television transmission system. This system was developed by, and named for, the National Television Systems Committee, an industry group established many years ago to develop television broadcast standards.

## II. BACKGROUND

3. In the *Fifth Report and Order*, we adopted rules for implementation of DTV service by broadcasters, including: 1) eligibility standards for the initial DTV channels; 2) a construction schedule; 3) a requirement that broadcasters continue to provide free, over-the-air television service; and 4) a target date of 2006 for the completion of the transition; and 5) a simulcasting requirement phased in at the end of the transition. Our goals in this action were to preserve and promote free, universally available local broadcast television in a digital world, as well as advance spectrum efficiency and the rapid recovery of spectrum by fostering the swift development of DTV. With regard to eligibility in particular, as required under the provisions of the Telecommunications Act of 1996 (1996 Telecommunications Act), we limited eligible broadcasters to parties who, as of the date of issuance of the initial DTV licenses, are licensed to operate a television station or hold a permit to construct such a station, or both.<sup>4</sup>

4. In the *Sixth Report and Order*, we adopted: 1) policies and plans for the establishment of an initial DTV Table of Allotments and the assignment of those allotments to eligible broadcasters; 2) an initial DTV Table that was developed using those policies and a sophisticated computer allotment system; and 3) plans for spectrum recovery. The initial DTV Table and assignment plan provides all eligible broadcasters with a second channel for use in transitioning to DTV service. We also attempted, to the extent possible, to provide broadcasters with DTV channels that will allow them to “replicate” the service areas of their existing NTSC operations, *i.e.*, to provide DTV service to areas that are generally comparable to their existing NTSC service areas. The DTV Table was also designed to minimize all unavoidable interference to both existing analog TV and new DTV service.

5. In the *Sixth Report and Order*, we also provided for recovery of a portion of the spectrum now used by television broadcasting. In particular, the DTV Table facilitates the early recovery of the 60 MHz of spectrum now used for TV channels 60-69 (746-806 MHz), and also provides for recovery of additional spectrum at the end of the DTV transition period.<sup>5</sup> Under this

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<sup>4</sup> Section 201 of the Telecommunications Act of 1996 added a new Section 336 to the Communications Act of 1934 (Communications Act), which sets forth eligibility criteria for the initial DTV allotments. *See* Telecommunications Act of 1996, Pub. L. No. 104-104, Section 201, 110 Stat. 56 (1996), and 47 U.S.C. 336. *See also Fifth Report and Order*, at paras. 17-18. In that action, in order to establish a “date certain at which to determine initial eligibility” and thus to create a DTV Table of Allotments, we also established that the date of issuance of the initial DTV licenses is April 3, 1997, the date of the adoption of both the *Fifth Report and Order* and the *Sixth Report and Order*.

<sup>5</sup> During the course of this allotment proceeding, the Balanced Budget Act of 1997, Pub. L. 105-33, 111 Stat. 251 (1997), was enacted. The Balanced Budget Act of 1997, *inter alia*, added a new Section 337(a) to the Communications Act which requires that by January 1, 1998, the Commission reallocate 24 MHz of the channel 60-69 spectrum for public safety use, and that it reallocate the remaining 36 MHz of that spectrum for commercial use to be assigned by competitive bidding. On December 31, 1997, we adopted a *Report and Order* in ET Docket No. 97-157 (*Channel 60-69 Reallocation Order*) reallocating TV channels 60-69 in accordance with the requirements of Section 337(a). *See Report and Order*, ET Docket No. 97-157, 12 FCC Rcd 22953 (1998).

plan, all DTV channels will eventually be located in a core spectrum of VHF and UHF TV channels that are technically most suited to DTV operation.

6. In the *Sixth Report and Order*, we continued the secondary status of low power television (LPTV) and TV translator stations.<sup>6</sup> However, we adopted a number of administrative and technical measures to minimize the impact of DTV implementation on low power operations. We also adopted policies and rules with respect to a number of other issues related to use of the initial DTV allotments and to the implementation of this new service. Finally, we set forth technical criteria for the allotment of additional DTV frequencies and for the modification of allotments included in the initial DTV Table.

7. We received over 260 petitions for reconsideration of issues addressed in the *Fifth and Sixth Report and Orders*. In the *Service Reconsideration Order* addressing petitions for reconsideration of the *Fifth Report and Order*, we revised and clarified various elements of our service implementation plan. We did not, however, modify or otherwise alter our position on initial eligibility for a DTV channel. In the *Allotment Reconsideration Order* addressing petitions for reconsideration of the *Sixth Report and Order*, we generally maintained the DTV allotment principles, policies and rules set forth in the *Sixth Report and Order*. However, we did make a number of changes and refinements to various elements of that decision. In particular, we: 1) established that the final DTV core spectrum will be channels 2-51; 2) permitted increased power for UHF DTV stations through use of antenna beam-tilting techniques; 3) adopted a *de minimis* interference standard for use in determining the acceptability of changes to the DTV Table; 4) clarified a number of rules and procedures for modifying the DTV Table; and 5) provided more specific guidance and procedures for low power stations that may be displaced or otherwise impacted by DTV operations. In addition, we revised a number of the DTV allotments to address new test data on DTV-to-DTV adjacent channel performance, to reduce interference problems in areas such as the Southern California region, and to respond to requests from petitioners.

8. Recently, we received 39 additional petitions for reconsideration of portions of the decisions made in the *Service Reconsideration Order* and the *Allotment Reconsideration Order*.<sup>7</sup> These petitions variously seek changes in our eligibility standards, several of our DTV allotment

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Specifically, we allocated: 1) 24 MHz at 764-776 MHz and 794-806 MHz (TV channels 63, 64, 68 and 69) to the fixed and land mobile services and designated this spectrum for public safety use; and 2) the remaining 36 MHz at 746-764 MHz and 776-794 MHz (TV channels 60-62 and 65-67) ) to the fixed, mobile and broadcasting services. Section 337(a) also provides that the Commission is to commence licensing of the public safety portion of this reallocation by September 30, 1998, and is to commence competitive bidding for the commercial licenses after January 1, 2001.

<sup>6</sup> In light of their similar status and treatment under our rules, we often use the term "LPTV" herein to refer both to low power television and TV translator stations.

<sup>7</sup> A list of the parties submitting petitions for reconsideration of those decisions and parties filing oppositions/comments and replies with regard to those petitions is provided in Appendix A.

policies and rules, or request modifications of individual DTV allotments. In our decisions below on the petitions for reconsideration, we first address the petitioners' requests for reconsideration of our DTV allotment policies and rules, and then address requests for modification of specific allotments included in the DTV Table.

### III. PETITIONS FOR RECONSIDERATION

#### A. DTV Eligibility for Pending NTSC Applicants

9. The 1996 Telecommunications Act limited initial eligibility for DTV licenses to persons that, as of the date of the issuance of the licenses, held either a construction permit or license (or both) for a television broadcast station.<sup>8</sup> Consistent with this statutory provision, we issued initial DTV licenses simultaneously to all eligible full service permittees and licensees on April 3, 1997, the date of the adoption of the *Fifth Report and Order*, as part of our decision in that action.<sup>9</sup> In deciding to issue the initial DTV licenses on that date we concluded that it more completely effectuates the Congressional scheme to implement the statute through a streamlined three-phased licensing process, with the first phase consisting of the initial DTV license, rather than through the conventional two-phased (construction permit/license) licensing process. We indicated that use of the two-step process without the initial licensing phase would have prevented the establishment of a date certain at which to determine initial eligibility because, given the statutory directive that eligibility be limited to permittees and licensees as of the date of issuance of the DTV licenses, it could have potentially left eligibility open until the last DTV operating license was granted, a period that could possibly take years. This was also necessary to allow us to establish the DTV Table of Allotments. We made no decision at that time as to how we would treat new permittees and licensees whose NTSC applications had been filed but not yet been granted as of April 3, 1997, and who were, as a result, not awarded initial DTV licenses.<sup>10</sup>

10. Several petitions for reconsideration of the *Fifth Report and Order* argued that parties with applications pending as of April 3, 1997, should be able to participate in the transition to DTV, at least under certain circumstances, such as allowing them to convert to DTV service on their NTSC channel. Many of these petitioners had filed applications within the previous three years that were mutually exclusive with other applications and which, as a result, had not been

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<sup>8</sup> 47 U.S.C. § 336(a)(1).

<sup>9</sup> The initial licenses do not authorize construction of DTV facilities. Each initial DTV licensee must apply for and be granted a construction permit by the Commission before it begins construction of its station.

<sup>10</sup> See *Fifth Report and Order*, at 12816, n. 26. For convenience, we shall refer to these entities simply as the "pending applicants," regardless of whether the applications have since been granted.

grantable by the Commission.<sup>11</sup> In response to those petitions, we stated in the *Service Reconsideration Order* that we would afford new NTSC permittees, whose applications were not granted on or before April 3, 1997, and who were therefore not eligible for an initial DTV paired license, the choice to immediately construct either an analog or a digital station on the channel they were granted.<sup>12</sup> Pursuant to this policy, we specified that these new NTSC permittees would not be awarded a second channel to convert to DTV, but could instead convert on their single 6 MHz channel.<sup>13</sup> If they choose initially to build an analog station, they may request Commission authorization to convert to DTV at any point during the transition, up to the end of that period.<sup>14</sup>

11. A few petitioners assert that, at least under some circumstances, pending applicants should receive a paired DTV allotment in addition to their NTSC allotment. According to Pappas Telecasting of the Midlands and Pappas Telecasting of Southern California (Pappas I), considering pending applicants as initially eligible for paired channels would not violate 1996 Telecommunications Act's eligibility provisions, because the statute left the timing of the issuance of the DTV licenses to the Commission's discretion. As a result, Pappas I contends, the timing may be reconsidered so that pending applicants are not necessarily considered ineligible for initial DTV licenses.<sup>15</sup>

12. Pappas I supports the awarding of a DTV channel to any pending applicant if the applicant can identify a DTV channel that can be allotted and paired with its NTSC channel

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<sup>11</sup> In 1993, the Commission was directed to reexamine one of the comparative criteria it had traditionally used to evaluate competing applications in a comparative hearing for a new commercial broadcast station. *Bechtel v. FCC*, 10 F.3d 875 (D.C. Cir. 1993). In response to *Bechtel*, the Commission instituted a freeze on the processing of mutually exclusive commercial broadcast television applications in 1994. See *Public Notice*, 9 FCC Rcd 1055 (1994). We have recently concluded a rule making proceeding implementing the requirement in the Balanced Budget Act of 1997 that we use competitive bidding to decide most mutually exclusive commercial broadcast cases. In the *Report and Order* in that proceeding, we concluded that the public interest would be served by using competitive bidding to resolve the pending applications. See *Report and Order* in MM Docket 97-234, GC Docket 92-52, and GEN Docket 90-264, FCC 98-194 (adopted August 6, 1998).

<sup>12</sup> We indicated that the proposed DTV facility must protect all DTV and NTSC stations by complying with all applicable DTV technical rules. In addition, such a new DTV permittee or licensee's facility must generally comply with all analog operating rules, except where these are inconsistent with the digital rules or inapplicable to digital technology.

<sup>13</sup> We clarified that if a pending applicant's granted channel is outside the core, and if it finds a channel within the core that protects all DTV and NTSC stations and complies with all the DTV technical rules, it may request authorization to convert on that alternative channel in lieu of its granted channel, rather than having to convert to an in-core channel at the end of the transition. If such authority is granted, the granted out-of-core 6 MHz channel will be returned to the Commission, and the authorization will specify the new in-core channel. *Service Reconsideration Order*, at 6865, n. 22.

<sup>14</sup> *Service Reconsideration Order*, at 6865.

<sup>15</sup> Pappas I petition, at 7.

without impacting either the NTSC or DTV environment (existing stations, allotments, or pending applications). Pappas I believes that the public interest would be served by allotting a paired DTV channel under these circumstances, because it would allow the permittee to enjoy the same benefits as its competitors (*i.e.*, the use of two channels to transmit programming). To do otherwise, Pappas I argues, would penalize permittees whose construction permit applications were held up through no fault of their own.<sup>16</sup>

13. Cosmos Broadcasting Corporation (Cosmos) asks that we consider requests for paired DTV allotments by pending applicants on a case-by-case basis. It predicts that at some point during the transition, one sizeable group of viewers would retain their analog sets, while another sizeable group would embrace DTV. With only one channel, Cosmos believes, broadcasters such as itself would likely be cut off from a generous portion of their audience. This could be especially important during emergencies such as hurricanes and tornadoes. Cosmos argues that the 1996 Telecommunications Act does not preclude a case-by-case analysis, because the Commission is no longer dealing with initial eligibility.<sup>17</sup>

14. Educational Television Association of Metropolitan Cleveland (ETAMC) states that the Commission has not articulated a reasoned analysis for treating pending noncommercial NTSC applicants differently from existing broadcasters. ETAMC claims that a pending noncommercial applicant has no assurance that its existing NTSC channel will be feasible in terms of interference to or from existing authorized DTV channels. As a result, ETAMC predicts, such an entity may not be able to provide meaningful service to its proposed service area. It adds that such broadcasters that are outside the core will have no assurance that a DTV allotment will be available for them when they convert their NTSC facilities to DTV. Therefore, ETAMC asserts that we should review each pending noncommercial application and determine whether channels are currently available to allot a core channel for the reserved channel proposed in the application, and to allot a paired DTV core channel as well, wherever possible.<sup>18</sup>

15. We deny reconsideration of these petitions requesting that we assign a second channel to the pending applicants in lieu of the approach we took in the *Service Reconsideration Order*. Under the rules and policies we adopted, the pending applicants that are granted construction permits will be able to provide digital television service to their communities of license. They may do so on their allotted NTSC channel either after a period of providing analog service, or in lieu of analog service altogether, at their discretion. Thus, there is no public interest reason for affording a second channel to the pending applicants. We do not believe that granting a second, paired channel to the pending applicants for use in the conversion would be an efficient use of the scarce spectrum. Moreover, doing so would severely limit the availability of digital channels for

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<sup>16</sup> Pappas I petition, at 2-3, 6-8.

<sup>17</sup> Cosmos petition, at 7-9.

<sup>18</sup> ETAMC petition, at 5-6.

new entrants and other potential public interest uses.

16. In our previous decisions with respect to initial eligibility for DTV licenses, we have sought to implement the statutory scheme contained in the 1996 Telecommunications Act. Accordingly, as discussed above, in the *Fifth Report and Order* we limited initial eligibility to existing full-power broadcasters. We allotted temporary second digital channels to these existing broadcasters for use in the conversion in order to avoid, wherever possible, depriving viewers and consumers of existing television service, upon which they have come to depend.<sup>19</sup> One of the two channels provided to each station will be reclaimed at the conclusion of the transition, scheduled for December 31, 2006, for uses that we determine will best serve the public interest, including the provision of digital television service by new applicants.<sup>20</sup>

17. On reconsideration, we determined that we would accommodate the desires of pending applicants to convert to digital television by allowing them to convert on their single channel, upon grant of an appropriate digital application.<sup>21</sup> We do not believe that affording them a second channel, even on a case-by-case basis, for use in the conversion is necessary or warranted. As noted above, the second channel is intended as a temporary additional channel for existing broadcasters for use during the transition, to allow them to move to an improved technology without service disruption, by allowing the temporary continuation of analog broadcasting while the process of conversion to digital goes on. The same considerations do not apply to new broadcasters, who will be providing new services. At the end of the transition, all broadcasters will be in the same situation, holding only one channel on which to provide digital service.

18. In addition, allotting second channels to the pending applicants could diminish competition and diversity by appropriating scarce spectrum that could otherwise be used by new entrants into broadcasting.<sup>22</sup> Indeed, Section 3003 of the Balanced Budget Act of 1997 directs the Commission to auction recaptured broadcast spectrum between channels 2-59 and to report the resultant revenues to Congress by September 30, 2002.<sup>23</sup> Affording second channels to

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<sup>19</sup> See *Fourth Further Notice of Proposed Rule Making and Third Notice of Inquiry*, 10 FCC Rcd 10540, 10543, 10544.

<sup>20</sup> The Balanced Budget Act of 1997 added a new Section 309(j)(14) to the Communications Act. That section states that "[a] broadcast license that authorizes analog television service may not be renewed to authorize such service for a period that extends beyond December 31, 2006" unless the Commission grants an extension based on specific enumerated criteria. 47 U.S.C. § 309(j)(14).

<sup>21</sup> See *Service Reconsideration Order*, at 6865-66.

<sup>22</sup> The Commission has long promoted increased and diverse participation in the broadcasting industry. See, e.g., *Notice of Proposed Rule Making* in MM Docket Nos. 91-140 and 94-149, 10 FCC Rcd 2788 (1995) (exploring ways to increase station ownership by minorities and women).

<sup>23</sup> 47 U.S.C. § 309(j)(14)(C)(ii).

pending applicants even on a case-by-case basis could delay use of such channels by new entrants until the end of the transition in 2006. We emphasize our discretion to allocate among competing demands for spectrum according to public interest considerations.

19. In addition, affording second channels to all the pending applicants as their NTSC applications are granted would likely be impossible. There are few available channels for the many pending broadcast applications, particularly in urbanized areas such as the Northeast. While the petitioners request that we grant such second channels to the pending applicants on a case-by-case basis, to do so might create inequitable distinctions among the pending applicants.

20. Cosmos's claim that without an additional channel, pending applicants may be cut off from part of their audience is speculative. Viewers with digital television sets will be able to receive both DTV and NTSC transmissions; viewers with analog sets need only a digital converter in order to receive both digital and analog signals. In any event, unlike existing broadcasters, the pending applicants who choose to commence broadcasting with analog technology have until the end of the transition period to convert to digital technology.<sup>24</sup> Accordingly, during the transition each such broadcaster can determine the best time to convert to digital technology, based on market conditions in the community and the availability and penetration of digital technology. Additionally, while some pending applicants have requested a second channel so that they may be on a competitive par with the initial DTV licensees, some existing broadcasters have argued that it will be very expensive to operate two stations simultaneously. We do not believe that allowing pending applicants to convert on their single channel places them at an unfair competitive disadvantage. At the end of the transition, all broadcasters will be similarly situated.

21. ETAMC is incorrect in asserting that we have treated pending applicants for noncommercial stations differently from applicants for commercial stations. Our general policy in this regard was as follows. We protected all vacant NTSC allotments that were the subject of applications pending as of April 3, 1997.<sup>25</sup> We did not protect applications that were filed for vacant NTSC allotments within the areas defined in our 1987 *Order (Freeze Order)* freezing the acceptance of applications for new NTSC stations in certain areas in order to preserve spectrum for DTV use.<sup>26</sup> This policy was, and is, the same for applicants for both commercial and noncommercial stations. Our consideration of applications for new NTSC stations within the freeze areas and applications for new NTSC stations filed after April 3, 1997, will be based in part on whether the stations they propose would be predicted to cause interference to DTV stations or

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<sup>24</sup> *Service Reconsideration Order*, at 6865, 6866.

<sup>25</sup> *See Sixth Report and Order*, at para. 112. In that action, we also indicated that we were deleting all NTSC allotments that are not the subject of a pending application or rule making proceeding.

<sup>26</sup> *See Sixth Report and Order*, at para. 113. Since July 1987, it has been the Commission's policy not to accept requests for new allotments or applications for new stations in 30 major markets in order to preserve spectrum for DTV use. *See Order*, RM-5811, adopted July 16, 1987, Mimeo No. 4074 (released July 17, 1987), 52 FR 28346 (1987).

allotments. Where such applications are granted, the new stations may be required to limit their operations in some manner to avoid interference to DTV stations and to accept interference from DTV operations.

22. Similarly, ETAMC's assertion that pending noncommercial applicants with channels outside the core have no assurance that a DTV allotment within the core will be available for them at the end of the transition period is incorrect. In the *Service Reconsideration Order*, we stated that, at the end of the transition, the Commission will reassign all out-of-core DTV broadcasters, including the pending applicants, to channels within the core.<sup>27</sup> We are confident that sufficient channels will be available to provide all out-of-core stations with a new channel, and ETAMC has presented no evidence that this will not be the case. We also specifically stated that we would allow stations with channels outside the core to seek authorization to convert on a core channel instead, if they can identify a core channel that protects all DTV and NTSC stations and that complies with all the DTV technical rules. If that authority is granted, their out-of-core 6 MHz channel will be returned to the Commission and their authorization will specify the new in-core channel.<sup>28</sup> Finally, as noted in the *Service Reconsideration Order*, we can review particular issues relating to difficulties in conversion by noncommercial educational stations in our biennial reviews.<sup>29</sup>

#### B. Applicants Pending as of October 24, 1991

23. A few petitioners assert that pending applicants whose applications were pending as of October 24, 1991 and whose construction permits were not granted until after April 3, 1997 should receive a paired DTV allotment in addition to their NTSC allotment. Pappas I claims, as it did in the case of pending applicants in general, that this would not violate the 1996 Telecommunications Act's eligibility provisions, because the statute left the timing of the issuance of the initial DTV licenses to the Commission's discretion.<sup>30</sup> Pappas I points out that in the *Fifth Report and Order* we stated that we "will give particular consideration for assigning temporary DTV channels to new licensees who applied on or before October 24, 1991, given the reliance that these parties may have placed on rules we adopted before passage of the 1996 Act."<sup>31</sup> Pappas I argues that these few applicants would have been given paired channels but for lengthy administrative procedures encountered in the selection process. Pappas I submits that only a few cases exist in which the application was on file prior to October 24, 1991 and remained pending as of April 3, 1997.

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<sup>27</sup> See *Service Reconsideration Order*, at 6866.

<sup>28</sup> *Id.*, at 6865, n. 22.

<sup>29</sup> *Id.*, at 6882-83.

<sup>30</sup> Pappas I petition, at 7.

<sup>31</sup> *Fifth Report and Order*, at 12,816a, n. 26.

24. If we are unwilling to rely solely on the fact that an application was pending as of October 24, 1991, Pappas I submits that we should at least consider awarding of a DTV channel to this subcategory of pending applicants who can demonstrate substantial and unique equities in favor of the allotment. In particular, it requests a second channel to be paired with an analog allotment in Avalon, California, for which it is the sole remaining applicant. Pappas I states that it would use both the analog and the digital channels in tandem to present multichannel subscription programming in several different languages.<sup>32</sup> (There had been several mutually exclusive applications for this channel. However, after we adopted the *Fifth Report and Order*, Pappas I became the successor applicant to Island Broadcasting, Ltd. ("Island"), one of the original applicants. As the successor applicant, Pappas I's rights and responsibilities are identical to what Island's would have been had it remained an applicant).

25. Island, predecessor in interest to Pappas, also contends that parties with applications pending since before October 24, 1991, should receive paired channels. Island notes that the *Fourth Further Notice and Third Notice of Inquiry* proposed that applicants who filed before October 24, 1991, be eligible for initial DTV licenses.<sup>33</sup> Island adds that such parties did nothing to delay the Commission's consideration of their applications. Island proposes that if the new permittee can identify an available DTV channel, then that channel should be allotted and treated like a paired channel, similar to other paired allotments.<sup>34</sup>

26. We decline to grant parties with NTSC applications pending since before October 24, 1991 a paired DTV channel. We recognize that we stated, in the *Fifth Report and Order*, that we "will give particular consideration for assigning temporary DTV channels to new licensees who applied on or before October 24, 1991, given the reliance that these parties may have placed on rules we adopted before passage of the 1996 Act."<sup>35</sup> However, we have fully taken account of and accommodated the desires of these licensees to convert to digital television by allowing them to convert on their analog channel regardless of the fact that they were not eligible for initial DTV licenses. Moreover, we note that these pre-1991 applicants were last in priority among those on the priority list for digital channels, in the event of a spectrum shortfall.<sup>36</sup> Thus, these parties were on notice that their desires for a second channel might not be accommodated in the event of a spectrum shortfall. After consideration of the equities present, including the disruption that could

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<sup>32</sup> Pappas I petition, at 3-5, 8-15.

<sup>33</sup> *Fourth Further Notice and Third Notice of Inquiry* in MM Docket No. 87-268, 10 FCC Rcd 10541, 10544-45 (1995).

<sup>34</sup> Island petition, at 1-3.

<sup>35</sup> *Fifth Report and Order*, ¶ 17 n. 26.

<sup>36</sup> *Second Report and Order/Further Notice of Proposed Rule Making* in MM Docket No. 87-268, 7 FCC Rcd 3340, 3343 (1992), clarified, *Memorandum Opinion and Order/Third Report and Order/Third Further Notice of Proposed Rule Making* in MM Docket No. 87-268, 7 FCC Rcd 6924, 6928, 6932-33 (1992).

be caused if we were to attempt to find paired channels for all of the applicants in this category, we conclude that we should not grant the requested relief.

27. We have, in the *Service Reconsideration Order*, afforded equitable relief to all pending applicants who were not eligible for a second temporary DTV channel by affording them the opportunity to convert to digital television on the channel they are granted so long as the proposed DTV facility protects all DTV and NTSC stations by complying with all applicable DTV technical rules.<sup>37</sup> We believe that the relief we have afforded to the pending NTSC applicants thus far fully satisfies all the equitable and other considerations that have been raised in requests for additional digital channels. Therefore, we would not expect to entertain any further requests for reconsideration or requests in any other context that ask that additional categories of NTSC applicants be afforded a paired digital channel with the analog channel they are granted. Our decision in this regard is based on our broad discretion to manage the spectrum. We recognize that digital spectrum is a valuable commodity and that there are many entities that seek to use the spectrum for a variety of uses. As we previously stated, we anticipate that there will be future opportunities for a wide variety of applicants, including new entrants, to seek digital channels. We noted in the *Sixth Report and Order* that "we will permit unused DTV spectrum to be used by both new and displaced LPTV and TV translator stations. We will also allow new entrants and non-eligible broadcasters to seek and apply for new DTV allotments."<sup>38</sup> We also recognize that Section 309(j), as amended by the Balanced Budget Act of 1997 requires us to use competitive bidding to grant broadcast permits or licenses (with certain exceptions) if mutually exclusive applications are accepted for any initial license or construction permit.<sup>39</sup> We therefore intend to auction digital spectrum at a later date in compliance with this provision.

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<sup>37</sup> *Service Reconsideration Order*, ¶¶ 10-16. These include new NTSC permittees whose applications were not granted on or before April 3, 1997 (whether or not they were on file as of October 24, 1991) and who were therefore not eligible for an initial DTV paired license.

<sup>38</sup> *Sixth Report and Order*, ¶ 95.

<sup>39</sup> 47 U.S.C. § 309(j).

### C. NTSC Station Modifications

28. In the *Sixth Further Notice of Proposed Rule Making (Sixth Further Notice)* in this proceeding, we stated that in order to preserve our ability to develop the DTV Table we would henceforth condition the grant of applications for modifications of the technical facilities of existing NTSC stations, including those on file before the date of adoption of that decision, *i.e.*, July 25, 1996, on the outcome of our decision on the DTV Table of Allotments.<sup>40</sup> We indicated that to the extent that an existing station's service area or potential for causing interference were extended into new areas by grant of an application, the condition may require the station's authorization to be reduced or modified. In the *Sixth Report and Order*, we indicated that in developing the DTV Table we had been able to accommodate all of the eligible broadcasters with DTV allotments that would not conflict with any of the authorizations to modify existing NTSC facilities that been granted subsequent to July 25, 1996. We therefore removed the condition from all such authorizations to modify existing NTSC facilities. We further stated that henceforth we will consider any impact on DTV allotments in deciding whether to grant applications for modification of NTSC facilities. We affirmed this decision in the *Allotment Reconsideration Order*.<sup>41</sup>

29. In the *Sixth Further Notice*, we also stated that we would not accept additional applications for new NTSC stations after 30 days from the publication of the *Sixth Further Notice* in the Federal Register.<sup>42</sup> We stated that as we process the applications on file at the time of the *Sixth Further Notice* and those that were filed before the end of the remaining filing opportunity, we would continue our policy of considering requests for waiver of the *Freeze Order* on a case-by-case basis. We anticipated that the applications for new NTSC TV stations on existing allotments outside the freeze areas would not have a significant negative impact on the development of the DTV Table of Allotments, but reserved the right, in specific cases, to determine that the public interest is better served if they are not granted, granted only if amended to specify reduced facilities, or granted only with a condition that limits the interference that the station would be allowed to cause. In the *Sixth Report and Order*, we stated that we would maintain and protect those vacant NTSC allotments that are the subject of pending applications.<sup>43</sup>

30. The Detroit Educational Television Foundation (DETF), licensee of noncommercial

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40 See *Sixth Further Notice of Proposed Rule Making*, MM Docket No. 87-268, 11 FCC Rcd 10968 (1996), at paras. 60-61.

41 See *Allotment Reconsideration Order*, at para. 137.

42 See *Sixth Further Notice*, at para. 60. Under this decision, the last day for filing of applications for new NTSC stations that would use an existing vacant allotment was September 20, 1996.

43 See *Sixth Report and Order*, at para. 112.

educational station WTVS-TV in Detroit, Michigan, the ETAMC, licensee of noncommercial educational station WVIZ-TV in Cleveland, Ohio, the Milwaukee Area Technical College District Board (MATC), licensee of noncommercial educational station WMVT-TV in Milwaukee, Wisconsin, and WXXI Public Broadcasting Council (WXXI), licensee of noncommercial educational station WXXI-TV in Rochester, New York seek reconsideration with respect to our treatment of applications for modification of existing NTSC stations. These petitioners all state that they submitted applications to increase the power of their NTSC stations prior to April 3, 1997. They observe that in the *Allotment Reconsideration Order* we stated that service replication of DTV allotments is based on facilities authorized as of April 3, 1997, and that we refused requests that we process all pending NTSC modification applications and grant them full DTV service replication of the modified facility.<sup>44</sup> In contrast to this decision, they observe that in the *Service Reconsideration Order* we stated that applications for new NTSC facilities that were pending as of April 3, 1997, would be processed and that the grantees could operate either a digital or analog station prior to conversion.<sup>45</sup> These petitioners argue that our treatment of applications for modification of NTSC facilities and new NTSC applications is disparate and unfair. They argue that all applications pending as of April 3, 1997, whether for new or modified NTSC facilities, should be treated the same.

31. We disagree with the petitioners' position that our treatment of applications for modification of NTSC facilities and applications for new NTSC stations is disparate and unfair. Contrary to the petitioners' assertions, we have, in fact, treated applications for modification of NTSC stations and requests for new NTSC stations, submitted as of April 3, 1997, similarly. In both cases, it has been our consistent policy to consider the impact of such requests on the DTV Table of Allotments. While we did protect certain applications for new NTSC stations, such protection was limited only to applications for stations outside of the freeze areas and was based on analysis by our staff that those existing allotments could be protected without affecting our ability to achieve our DTV allotment goals. Further, as stated above, we specifically reserved the right not to grant these applications, or otherwise require limited or reduced facilities, if we found that any of these pending requests would limit the ability of DTV allotments to provide for replication of their associated NTSC stations. We did not protect applications for new NTSC stations inside the freeze areas and we did not protect pending modification applications because of the likelihood of impact on the DTV Table.<sup>46</sup> Rather, in both of these situations, we decided to treat such requests on a case-by-case basis. Thus, we have effectively applied the same policy criteria in our treatment of applications for all requests for new NTSC stations. We therefore believe that our treatment of applications for modification of NTSC facilities and applications for

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44 See *Allotment Reconsideration Order*, at para. 137.

45 See *Service Reconsideration Order*, at para. 11.

46 We also note that most of the applications for modification of existing NTSC stations involve stations that are located within the freeze areas and thus more likely to pose conflicts with DTV allotments and other NTSC stations.

new NTSC stations is fair and consistent. The protection afforded to applications for new NTSC stations at locations outside of the freeze areas merely provided an administratively efficient means for managing the spectrum to allow new stations wherever possible in areas where such stations would not affect our DTV allotment goals. Such protection for applications for new NTSC stations to be located within the freeze areas would have severely limited our ability to achieve our DTV allotment goals.

32. Consistent with our general plan to provide for replication of existing service areas in developing the DTV Table, we attempted to provide allotments that match the authorized service areas of all stations as of the date of the adoption of the DTV Table, including the modified service areas of stations whose application for modification of facilities had previously been granted on a conditional basis. We found that it was possible to replicate the modified facilities of these stations without affecting our ability to replicate the service areas of other stations and without increasing interference to other stations. It was not feasible to provide DTV allotments that would match the service areas requested in all of the NTSC modification applications received prior to April 3, 1997, that had not yet been processed. To do so as a general policy would have limited our ability to replicate the service areas of many existing stations. The adverse effect of such an approach on our ability to create DTV allotments would have been much the same as if we had simply granted all of the pending modification requests prior to developing the DTV Table. We also note that we have indicated that we will continue to process the pending applications for modification of NTSC stations (as well as any additional requests for modification of NTSC facilities that may be submitted),<sup>47</sup> and have provided a procedure by which the licensees of the stations involved in those applications may seek modifications of the specified facilities of their DTV allotments. In processing applications for modification of NTSC facilities, we intend to consider any impact on DTV allotments. Where a proposed modification would result in interference to the service predicted for a DTV allotment, it will be dismissed.<sup>48</sup> Where a proposed modification would not result in interference to the service predicted for a DTV allotment and otherwise meets the requirements of our rules, it will be granted. In view of the fact that our actions with respect to modification applications granted before the DTV Table were evaluated based on the same criteria that will be applied in evaluating other NTSC modification applications and did not compromise either our DTV allotment goals or opportunities for increasing the NTSC or DTV facilities of other stations, we find that our treatment of all such applications is fair and equitable. Accordingly, we are denying the petitioners' requests that we process all pending NTSC modification applications and grant them full DTV service replication of the modified facilities.

33. Interested parties are advised that in processing the remaining pending applications for modification of NTSC facilities, we will consider the impact of the proposed change on the

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<sup>47</sup> See *Sixth Report and Order*, at para. 113.

<sup>48</sup> Of course, applications for modification of NTSC facilities that are dismissed because of interference to DTV service can be resubmitted if amended to avoid causing that interference.

service area of any affected DTV station as computed from the location and facilities specified in Appendix B of this Memorandum Opinion and Order, or any increases in facilities authorized subsequent to those established in Appendix B. Consistent with the plan described above, applicants are also advised that, to the extent we grant applications for modifications of NTSC facilities, we will not automatically increase the facilities of the associated DTV channel to replicate the new NTSC service area. In this regard, we are concerned that increasing DTV facilities in this manner could result in significant new interference to either or both NTSC stations or other DTV stations. Accordingly, if parties with pending applications for NTSC modifications also desire to have their DTV facilities modified, they must submit a separate application for modification of the DTV station. Such applications for DTV station modifications will be evaluated under the criteria set forth in Sections 73.622 and 73.623 of the rules.<sup>49</sup>

#### D. Applications for New NTSC Stations

34. A number of petitioners that had filed applications for new NTSC stations request that we reconsider our decision not to maintain or protect the NTSC allotments that would be used by those new stations. The petitioners requesting reconsideration regarding such allotments are Beaumont 21 L.L.C. (Beaumont), Ch 32 Hispanic Broadcasters, Ltd. (Hispanic), Davis Television (Davis), Fant Broadcast Development- Plaquemine, Louisiana, Jackson, Mississippi, and New Albany, Indiana (Fant), Green Bay 44 L.L.C. (Green Bay), Mississippi Authority for Educational Television (MAET), Oregon Family Broadcasting Association (OFBA), Oro Valley 52, L.L.C. (Oro Valley), Pappas Telecasting of America- Owensboro, Kentucky, Charleston, West Virginia, and Vergennes, Vermont (Pappas II), Pelican Broadcasting Company- Cheney, Washington, and Marshfield, Missouri (Pelican), South Central Communications Corp. (SCCC), Western New York Public Broadcasting Association (WNYPBA), and Zavaletta Broadcasting of Pueblo and Sherman (Zavaletta). In general, the applications addressed in these petitions are for new stations within areas covered by the 1987 *Freeze Order*. Most of these petitioners indicate that they had filed their applications with a request for waiver of the 1987 *Freeze Order*.

35. These petitioners generally argue that we neglected to provide an explanation for not protecting the allotments sought in their applications. In particular, they argue that in the *Sixth Report and Order* we indicated that we would continue to process applications filed on or before September 20, 1996, because we did not believe that those applications would have a significant negative impact on the DTV Table. They further contend that in the *Allotment Reconsideration Order* we confirmed that we intended to protect pending NTSC applications filed by this deadline.<sup>50</sup> Davis Television, Pappas II and others argue that their previous pleadings in this proceeding were premised on the expectation that their applications were filed before the September 20, 1996, deadline for new NTSC applications and therefore would be considered in

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49 See 47 CFR 73.622 and 73.623.

50 For example, petitioners cite the *Allotment Reconsideration Order*, at paras 571, 575, 608 and 627.

due course and harmonized with the DTV process. Davis states that in the *Allotment Reconsideration Order* we made clear for the first time that applications not accepted for filing were not protected and that to the extent that a conflicting DTV allotment has been made, we did not plan to allot a replacement channel for those applications.<sup>51</sup> Pappas II and others note that we stated that we would continue our policy of considering requests for waiver of the 1987 *Freeze Order* on a case-by-case basis. They argue that we provided no notice that we were going to treat applications containing such a waiver requests as if they never had been filed and that an application would be considered "pending" only if it had been formally accepted for filing. The petitioners therefore seek reconsideration to ensure that allotments will be available for their NTSC applications.

36. Most of these petitioners request that we change the channel of a DTV allotment that conflicts with the NTSC allotment they seek and make specific suggestions for alternative DTV channels. Alternatively, they request that we permit them to modify their applications and, as appropriate, accompanying petitions for rule making to specify replacements for affected NTSC channels. Petitioners submit that allowing them to seek alternate NTSC channels would provide a win-win solution by avoiding conflicts with DTV allotments, allowing their applications to go forward, and allowing the public to receive additional television service. Beaumont, Pappas II and others also state that allowing these NTSC applications to go forward would promote the emergence and development of new networks.<sup>52</sup> Many of these petitioners also suggest alternative NTSC channels to address their individual situations.

37. Oppositions to specific requests for reconsideration on this issue were submitted by America 51, L.P. (America 51), Channel 3 of Corpus Christi, Inc. (Channel 3), Civic License Holding Company (Civic), Independence Television Company (Independence), Kentucky Authority for Educational Television (KET), Lee Enterprises, Inc. (Lee), Montgomery Communications, Inc. (Montgomery), Mountain Lake Public Telecommunications Council (MLPTC), Northeast Kansas Broadcast Service (Northeast), Oregon Television, Inc. (OTI), and WATE, L.P. Most of these parties are DTV licensees who oppose the petitioners' requests that we change their DTV channels in order to preserve the NTSC allotments for which the petitioners have applied.<sup>53</sup> These parties generally argue that the alternate DTV channels proposed by the

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51 Davis cites the *Allotment Reconsideration Order*, at paras. 607-608.

52 Beaumont and Pappas II also state that the WB Television Network (WB) has indicated a willingness to enter into affiliation agreements with them if they are successful in acquiring station licenses pursuant to their NTSC applications.

53 In this regard, OTI opposes OFBA's request to change the DTV channel of OTI's KPTV-TV, Portland, Oregon; Civic opposes Fant's request to change the DTV channel of Civic's WLBT-TV, Jackson, Mississippi; Independence opposes Fant's petition to change the DTV channel of Independence's WDRB-TV, Louisville, Kentucky; Lee opposes Pappas II's request change the DTV channel of Lee's WSAZ-TV, Charleston, West Virginia; KET opposes Pappas II's petition

petitioners would allow less replication of service, and therefore are less desirable, than their current channels. Some of these opposing stations also submit use that the proposed alternate DTV channels would result in increased interference to other stations. Montgomery, OTI, and WATE observe that nothing in the *Sixth Report and Order* or the *Sixth Further Notice* stated that pending applications subject to the *Freeze Order* would be entitled to protection against conflicting DTV allotments. In this regard, WATE also notes that each of the petitioners' applications was filed after the imposition of the freeze and that each application sought a waiver of the freeze. It therefore argues that each of these petitioners was fully aware that the Commission could allocate new DTV channels in a manner that would preclude grant of its application. KET, and MLPTC state that the continuing risk of potentially involuntary changes to stations' DTV allotments created by such petitions creates uncertainty, inhibits planning, and unnecessarily complicates and slows the transition to DTV. Independence argues that continuing to preserve NTSC allotments indefinitely would bring the implementation of DTV to a standstill. Channel 3 and Northeast argue that it is inappropriate in this proceeding to consider changed or new NTSC channel allocations, especially those subject to the current freeze. America 51, Civic and Lee submit that they have no objections to allowing the petitioners to seek to operate NTSC stations on other channels that would not result in interference.

38. In reviewing the petitioners' requests for reconsideration, it appears that there is some misunderstanding about our policy with respect to applications for new NTSC stations that were filed on or before September 20, 1996, as it applies to applications for new stations at locations within areas covered by the 1987 *Freeze Order*. As indicated above, we stated in the *Sixth Report and Order* that we would maintain and protect those vacant NTSC allotments that are the subject of pending applications. This policy applied only to applications for new NTSC stations outside of the freeze areas. Petitioners appear to assume that since they filed their applications before the deadline, those applications are considered "pending" and therefore should be protected. We did not, however, consider applications within the freeze areas to be pending and did not protect such applications by avoiding the creation of DTV allotments that would conflict with the new NTSC stations they propose. In this regard, we had indicated previously, in the *Sixth Further Notice*, that we would continue our longstanding policy of considering requests for waiver of the *Freeze Order* on a case-by-case basis.<sup>54</sup> We further indicated that when applications for new NTSC stations were accepted for filing, we would continue our process of issuing Public Notices that "cut-off" the opportunity for filing competing, mutually exclusive applications.<sup>55</sup> We

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to change the DTV channel of KET's WKGB-TV, Bowling Green, Kentucky; MLPTC opposes Pappas II's request to change the DTV channel of MLPTC's WCFE-TV, Plattsburgh, New York; and WATE opposes SCCC's request to change the DTV channel of WATE's WATE-TV in Knoxville, Tennessee.

54 See *Sixth Further Notice*, at para. 60.

55 None of the applications for new NTSC stations addressed in these petitions have been accepted under this process.

did not alter this policy in either the *Sixth Report and Order* or the *Allotment Reconsideration Order*. In fact, in the *Allotment Reconsideration Order*, specifically indicated that we did not protect NTSC applications where they were for stations in areas where we had indicated we would not accept new petitions.<sup>56</sup>

39. While we recognize the efforts that these petitioners are making in attempting to bring additional voices and services to television viewers, we have found it necessary to consider as deleted the vacant NTSC allotments that they seek in order to provide DTV allotments that fulfill our allotment goals of providing all eligible broadcasters with a DTV channel that will allow replication of existing service areas. As we have indicated a number of times in this proceeding, including the *Sixth Report and Order*, if we protected all vacant allotments it would not be possible to accommodate all existing broadcasters and the expected service areas of many of the DTV allotments would be reduced.<sup>57</sup> As argued by the stations opposing the change of their DTV channels, preserving the NTSC allotments sought by these petitioners would have an adverse effect on the coverage of DTV stations in the same area. We therefore are denying the petitioners' requests to the extent that they ask that we maintain or protect the NTSC allotments that would be used by the new stations sought in their NTSC applications or that we change the channel of any DTV allotments that conflict with the NTSC allotments they seek.

40. We do, however, believe it is desirable to provide applicants seeking to operate new NTSC stations in the freeze areas with options to pursue their applications wherever such options would not conflict with NTSC or DTV stations (including DTV allotments, authorized or requested increases in DTV allotment facilities and proposals for new or modified DTV allotments). In this regard, we are adopting the suggestion of several of the petitioners that we allow parties whose NTSC applications conflict with DTV stations (as above), to request a change in the NTSC channel they seek or to amend their application to eliminate all such conflicts. We agree that where an alternate NTSC channel below channel 60 is available, it would provide a win-win solution in avoiding interference to DTV service and allowing the public to receive additional television service.

41. Accordingly, in a subsequent Public Notice, the Mass Media Bureau will announce a window of time during which such petitions to amend the NTSC Table of Allotments or amendments to freeze-waiver applications may be filed. Parties that had filed applications for new NTSC stations using allotments in the freeze areas will be permitted to amend their applications if such amendment would eliminate interference to DTV service predicted using the criteria set forth in Section 73.623(c) of the rules. Such amendments may include changes in the ERP, directional

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<sup>56</sup> See *Allotment Reconsideration Order*, at 1) para. 369, footnote no. 140, responding to petition of Westwind Communications, L.L.C., 2) para. 575, responding to petition of MAET, 3) para. 608, responding to petition of Pennsylvania Telecasters, Inc., and 4) para. 627, responding to petition of SCCC.

<sup>57</sup> See *Sixth Further Notice*, at para. 58, and *Sixth Report and Order*, at para. 112.

antenna pattern, antenna height or site location requested in the application, but the amendment must conform to pertinent NTSC requirements. The application amendment may also specify DTV operation. Allowing such stations to commence operation with DTV service is consistent with our treatment of "new applicants," which we will allow to commence operation with DTV service or convert to DTV operation during the transition period.<sup>58</sup>

42. A petition for rule making filed during this window to change the NTSC channel allotment must also include a showing that interference to a DTV station (again including DTV allotments, authorized or requested increases in DTV allotment facilities and proposals for new or modified DTV allotments) would be caused if the requested channel change is not made. Such a petition may request a DTV channel as the replacement for the NTSC channel allotment. Where multiple applications have been filed for a single existing NTSC allotment, a petition must propose a single replacement channel, to which all applicants agree to modify their application. Rule making proceedings initiated by petitions filed during this window will not reopen the opportunity for new NTSC channel allotments to be proposed (that is, counter-proposals by new parties will not be entertained). Where a channel allotment is changed in a rule making proceeding, applicants will be required to file amendments to specify appropriate facilities on the new channel. Given that these applications were filed before the September 20, 1996, deadline for applications for new NTSC stations, their long pendency and the prospect they offer for additional service, we will consider such amendments to be minor. Accordingly, the applications will retain their original file numbers. Consistent with the competitive bidding *Report and Order*, wherever two or more applications were pending for an allotment before July, 1997, the group is closed and no additional applications for that allotment (on the new channel) will be accepted.<sup>59</sup> After the window has ended, freeze waiver applications will be dismissed if they conflict with DTV stations, they have not been amended to remove the conflict, and their requested allotment is not the subject of a pending petition for rule making seeking an alternate channel.

#### E. Maximization Requests

43. Fox Broadcasting Company (Fox) requests that we reconsider our decision to limit maximization requests for increased power by UHF DTV stations to 200 kW until substantial progress has been made in the rollout of DTV service. Fox asserts that we provided no explanation on why the maximum UHF power level, *i.e.*, 1000 kW, was reconsidered. It also argues that we provided no rationale for why parties will not be able to take advantage of the new

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<sup>58</sup> In the *Service Reconsideration Order*, we stated that we will afford new NTSC permittees whose applications were not granted before April 3, 1997, and who are therefore not eligible for a second DTV channel, the choice to immediately construct either an analog or a digital station on the channel they were granted. We further indicated that before the NTSC permittee or licensee can build a DTV station, either initially or after first building an analog station, it must file a DTV application and that we will treat such applications as minor modifications. See *Service Reconsideration Order*, at paras. 11-16.

<sup>59</sup> See *Report and Order* in MM Docket 97-234, GC Docket 92-52, and GEN Docket 90-264, FCC 98-194 (adopted August 6, 1998).

*de minimis* interference rule, which allows stations maximizing their DTV service areas to cause up to 2 percent additional interference to other stations, in seeking to maximize their DTV facilities from the outset.<sup>60</sup>

44. Fox further submits that the 200 kW power cap poses problems for DTV implementation. First, it asserts that the cap will delay the rollout of DTV. It argues that the 200 kW limit will mean stations will have smaller DTV service areas and fewer people will be able to receive DTV service. Second, Fox argues that the power cap will continue the current disparity between VHF and UHF stations and will affect the ability of UHF stations to compete in their markets. It is particularly concerned that most of its stations and its affiliates are UHF stations that will be affected by the cap, while most of the other networks are comprised of largely VHF stations that have UHF DTV stations that will not be affected by the cap. Fox next argues that the burden of the cap is particularly onerous for its stations that have accelerated build out requirements in the top 30 television markets. It argues that the power cap will require it to build two DTV stations at added cost or invest in more costly higher power equipment based only on a possibility that it may be permitted to apply for higher power at some point in the future.

45. Fox therefore requests that we permit any station that can meet the *de minimis* interference standard to maximize its power up to 1000 kW immediately. It states that there is a danger that stations could file maximization applications merely to thwart competitors, but that this could be addressed by requiring comprehensive engineering statements to demonstrate compliance with the *de minimis* interference standard that are "time-consuming and expensive" to prepare. It also states that all applicants should be required to adhere to the Commission's standard DTV construction timetable and certify their intention to construct and operate according to the specifications in their application. Fox further states that we should adopt procedures to efficiently and expeditiously resolve conflicts between mutually exclusive maximization applications. It suggests that applicants should be given 90 days after a Public Notice to resolve a conflict through private negotiations. If such negotiations fail, Fox states that we should award the grant to the applicant proposing to provide DTV service to the largest number of households.

46. In an *ex parte* submission of June 26, 1998, Fox presented an alternative proposal for allowing UHF DTV stations to increase their power above the 200 kW temporary cap. Under this proposal, stations would be permitted to maximize their DTV facilities above 200 kW only if they provide an interference analysis that demonstrates that any new interference resulting from the change would be within the level permitted under the *de minimis* standard. This interference analysis would be performed assuming that all other DTV facilities are operating at the DTV power levels specified for their allotment, or 200 kW, whichever is greater. Under this proposal, all maximization applications would be placed on public notice and interested parties would be

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60 The *de minimis* interference standard for assessing the acceptability of DTV facilities maximization requests is set forth in Section 73.623(c)(2) of the rules, 47 CFR 73.623(c)(2).

allowed 30 days to file formal objections to the applications. No formal application to increase DTV facilities would be required to be filed with such an objection. However, the objecting party would be required to state that it is interested in maximizing and would be precluded from doing so by the maximization application on file to which it was responding. Upon the filing of an objection to a maximization application, the affected parties would be allowed 30 days to resolve the conflict. In the event the parties were unable to resolve their differences, the maximization application would be returned and the applicant would be allowed to re-submit the application with a request for no more than 200 kW ERP. Fox states that this proposal would allow parties to maximize except in situations where there are potential conflicts, and in those instances the 200 kW cap would remain in place.

47. In its comments, Sinclair Broadcast Group (Sinclair) states that while it appreciates the Commission's efforts to alleviate the disparity between analog VHF stations operating DTV stations in the UHF band (V-to-U stations) and UHF analog stations operating DTV stations in the UHF band (U-to-U stations), it agrees with Fox that the 200 kW power imposes an unfair limit on UHF/UHF stations. It submits that we should eliminate this limit now or at least clarify when during the DTV transition period the limit will be lifted. Sinclair also supports Fox's suggested procedures for ensuring that only *bona fide* maximization requests receive consideration.

48. Our decision to temporarily limit maximization requests to 200 kW in the *Allotment Reconsideration Order* was made in order to ensure that the largest number of parties would have a fair opportunity to seek an increase in their DTV facilities. We stated that this initial 200 kW limit should put all licensees and permittees on a more equal footing and will give the Commission flexibility to accommodate other facility changes that may be needed by other licensees.<sup>61</sup> We noted that studies by the Association for Maximum Service Television, Inc. (MSTV) indicated that almost 700 of the about 850 stations with less than 200 kW could increase their DTV facilities to 200 kW without creating more than 1 percent interference to any NTSC station. We therefore stated that our 2 percent *de minimis* standard and our 200 kW temporary limit would provide substantial relief for stations seeking to increase their facilities and would be easy for the Commission to administer and apply. We also note that allowing unrestricted, immediate maximization requests could result in a large number of mutually exclusive situations that would be difficult to resolve and could delay the implementation of DTV. Therefore, we believe that, in general, the 200 kW cap should be maintained at this time. We do, however, recognize the 200 kW cap may not be needed in all situations and that it is desirable to permit immediate full maximization to 1000 kW in situations where such changes would not affect the maximization plans of others, as suggested in Fox's June 26, 1998, *ex parte* filing.

49. We therefore are modifying our policy on maximization requests along the lines suggested in Fox's *ex parte* filing. Accordingly, we will permit applicants for UHF DTV station

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<sup>61</sup> See *Allotment Reconsideration Order*, at para. 81.

construction permits to submit requests for power increases above 200 kW, up to the 1000 kW maximum. The following provisions will apply to applications proposing such power increases that would increase a station's DTV service area in one or more directions beyond the area resulting from the station's allotment parameters. Such requests must include an interference analysis that demonstrates compliance with the *de minimis* interference standard set forth in Section 73.623(c)(2) of the rules. This interference analysis must be performed assuming that all other DTV facilities are operating at the DTV power levels specified for their allotment, or 200 kW, whichever is greater, and at the allotted site and antenna height above average terrain. All such applications will be placed on public notice and interested parties will be allowed 30 days to file objections. A party may object to such requests where the change would impact its future plans to maximize its own DTV operations, *i.e.*, to an extent greater than could be achieved at a power level of 200 kW. No application to increase DTV facilities will be required to be filed with such an objection. However, the objecting party must demonstrate how the requested change would affect its plans for maximization, *i.e.*, by showing that the requested facilities would cause more than the allowed *de minimis* level of interference to the objecting party's planned DTV service in an area it could otherwise serve. Such showings could be based either on the objecting party's DTV allotment reference site or another site from which its planned service could be achieved under our rules. Upon the filing of an objection to a maximization application, the affected parties will be allowed 30 days to resolve the conflict. In the event the parties are unable to resolve their differences, the application will be dismissed and the applicant will be allowed to resubmit the application with a request for no more than 200 kW ERP. The above policies will apply both to future applications and applications now on file at the Commission.

50. We do not agree with Sinclair that a specific date for eliminating the cap should be chosen at this time. Rather, we believe that it is more appropriate to make this decision after both the industry and the Commission have gained additional experience with the implementation of DTV. In this regard, we intend to address the need for the 200 kW power cap during our periodic reviews.

## F. Antenna Beam Tilting

51. In the *Allotment Reconsideration Order*, we allowed DTV stations to increase power within their service area using antenna beam tilting techniques.<sup>62</sup> Specifically, we provided that a UHF DTV station will be permitted to increase its power up to a maximum of 1000 kW, provided antenna beam tilting techniques are employed so that the field strengths at the outer edge of the station's service area are no greater than the levels that our model predicts would exist if the station were operating at its assigned DTV power. In addition, we required that where beam tilting is used, the field strengths at the edge of the station's service area be calculated assuming 1 dB of additional antenna gain over the antenna gain pattern specified by the manufacturer. We further provided that a station desiring to operate at a higher power level than that specified for it in the DTV Table shall submit, with its initial application for a DTV construction permit or subsequent application to modify its DTV facilities, an engineering analysis demonstrating that the predicted field strengths and predicted interference within its service area comport with the above requirements. Stations seeking to operate at higher power levels under these provisions will be required to notify, by certified mail, all stations that could potentially be affected by such operation at the time the station files its application for a construction permit or modification of facilities. Potentially affected stations to be notified include stations on co-channel and adjacent channel allotments that are located at distances less than the minimum geographic spacing requirements for new DTV allotments in Section 73.623(d)(2) of the rules.

52. Cosmos seeks reconsideration of our decision to allow DTV stations to use antenna beam tilting under the above plan. Cosmos submits that in its previous filings in this proceeding it had objected to the use of beam tilting, arguing that the combined effect of tower deflection, high gain antennas and beam tilting could create new interference. It notes that we did take several measures to address its concerns, including requiring that a DTV station employing beam tilting calculate its field strengths at the edge of its service area assuming 1 dB of additional gain over the antenna gain pattern specified by the manufacturer. Cosmos requests that we reconsider this 1 dB value and argues that an 11 dB value should be used, as demonstrated in its previous filing. It argues that this amount of change in field strength could occur for a 2000 foot tower with a very high gain antenna subject to maximum wind loading and deflection. It also urges that we increase the distance for triggering the notification requirements set forth in Section 73.622(f)(4)(iv). For administrative convenience, Cosmos recommends that broadcasters double the separation required for new allotments. In the alternative, Cosmos states that we should clarify that stations falling within the distances specified in Section 73.623(d)(2) are not intended to be the only stations notified since "all" affected stations must be notified.

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62 These techniques apply antenna beam tilting beyond the up to 1 degree antenna declination that is typically used in broadcast television transmitter antenna installations. The regulations for use antenna beam tilting by DTV stations are set forth in Section 73.622(f)(4) of the rules. See 47 CFR 73.622(f)(4).

53. In the *Allotment Reconsideration Order*, we previously considered and rejected Cosmos' proposal to require that the interference evaluations for facilities using beam-tilting be made under maximum deflection conditions. We found that the 1 dB antenna margin would serve to minimize the potential for increased interference where the beam tilting is reduced due to deflection of the antenna by wind.<sup>63</sup> Cosmos has provided no new information, but rather has merely resubmitted the same technical information contained in its earlier petition. We continue to disagree with Cosmos that more stringent regulations are needed for stations that may employ antenna beam tilting. We note that while DTV field strengths can change due to antenna deflection, such changes are dependent upon a number of factors and, in most cases, would not result in the high variations in field strengths suggested by Cosmos.<sup>64</sup> Furthermore, instances of significant antenna deflection, particularly to the maximum levels, are infrequent and transient in nature. We therefore find that the increase in antenna margin sought by Cosmos is not warranted and are again denying this request. We also see no need to increase the distance for triggering the requirements for notifying other stations when a station seeks to operate at higher power through the beam tilting provisions. Cosmos request in this regard is misplaced, in that any increases in interference resulting from a station's increase in operating power under the beam tilting provisions are most likely to occur in areas close to the edges of that station's existing service contour. Increasing the range in which co-channel and adjacent channels must be notified beyond the minimum spacing requirements for new DTV stations therefore would generally not serve to alert other stations of any significant interference problems and would only add unnecessary burden for all parties involved.

#### G. Use of Channel 6 for DTV Service

54. The National Religious Broadcasters' Association (NRB) requests that we reconsider our determination to include TV channel 6 in the core DTV spectrum. It states that the limitations imposed by Section 73.525 of the rules prevents most noncommercial FM stations from increasing their coverage and service and that elimination of channel 6 for use by television would allow for the elimination of these limitations.<sup>65</sup> NRB states that permitting DTV operation

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<sup>63</sup> See *Allotment Reconsideration Order*, at para. 83.

<sup>64</sup> Cosmos derives its 11 dB margin by assuming the maximum possible antenna gain (i.e., power would be increased from the minimum level to the maximum allowable level) and the deflection of a 2000 foot antenna under maximum wind loading conditions. In many instances, stations with very high effective antenna heights are actually located on mountain peaks or tall buildings where deflection would not occur or would be less than that assumed by Cosmos.

<sup>65</sup> Noncommercial FM stations are located on frequencies in the reserved band 88-92 MHz, which is adjacent to TV channel 6 at 82-88 MHz. Section 73.525 specifies limits on the power and antenna height of new or modified FM stations based on their distance to nearby television stations operating on channel 6 and the specific FM radio channel on which the noncommercial FM station operates or proposes to operate. See 47 CFR 73.525.

on TV channel 6 permanently down-grades the noncommercial FM service to second class status. It also argues that there is no reason to artificially limit coverage by noncommercial FM stations to protect DTV channel 6 stations after the transition period.

55. NRB further states that if any TV channel 6 stations are permitted to remain after the conversion period, we should require the licensees of such stations to: 1) commit to pay any and all costs involved in resolving interference to and from noncommercial FM operations, present and future; and, 2) agree in writing that applications for modification of existing FM stations and permits for new stations may be prepared, filed and granted without reference to the limitations that Section 73.525 would otherwise impose on such modifications or new stations. It further requests that consistent with this plan we should eliminate the limitations that are imposed on noncommercial stations by Section 73.525.

56. In the *Allotment Reconsideration Order*, we addressed the concerns of noncommercial radio interests regarding the use of TV channel 6. We stated that in developing the DTV Table we sought to minimize the potential for interference between DTV and FM radio service by avoiding the use of channel 6 for DTV to the extent possible. We further noted that DTV operations will be at substantially lower power levels than existing NTSC operations, and that the current rules are adequate to protect DTV operations on existing channel 6 allotments. We also agreed with National Public Radio (NPR) that noncommercial radio licensees should not be solely responsible for resolving interference that might occur from our inclusion of channel 6 in the core spectrum. Therefore, we stated, as a general matter, that it will be the initial responsibility of a DTV licensee to protect against or eliminate harmful interference to any FM radio stations that are in operation at the time the DTV station commences operation. We also stated that in the case of new DTV stations on new channel 6 allotments, the nature of the potential for interference to FM service from DTV service necessitates that determinations of whether such interference would occur be made on a case-by-case bases. We therefore stated that we would require that parties requesting new DTV allotments on channel 6 submit an engineering study to demonstrate that no interference would be caused to existing FM stations on FM channels 200-220.<sup>66</sup>

57. We continue to believe that it is important to maintain the availability of channel 6 for television service. Channel 6 has advantageous propagation properties and has proven very desirable for television operation – as indicated by the fact that there are currently more than 55 NTSC television stations on this channel. We believe it would be undesirable to remove channel 6 from the core spectrum or to impose additional restrictions on use of this channel for DTV service after the transition. In this regard, we do not find that the additional opportunities for increasing

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<sup>66</sup> In the *Allotment Reconsideration Order*, we treated this decision as a policy that would be applied to rule making petitions seeking to add new DTV allotments on channel 6. On reconsideration, we are including this requirement in Section 73.623 of the rules to ensure that it is made known to all parties seeking to add new channel 6 DTV allotments.

FM noncommercial coverage would outweigh the costs of eliminating channel 6 from TV service. While we recognize that the use of channel 6 for television service necessitates some limitations on stations in the noncommercial FM radio service, we also note that FM noncommercial radio services in the 88-92 MHz band and NTSC television services on channel 6 have operated successfully in many areas. We further note that the robust nature of the DTV signal with regard to interference and the lower transmission power requirements of DTV system may enhance the co-existence of these services and may provide noncommercial FM stations with additional opportunities to increase their coverage. In fact, in most situations, protection of an FM station is improved with regard to DTV service when the FM station operates at power levels greater than 3 kW. We therefore continue to find that the measures that we have already taken adequately consider the interests of noncommercial FM stations with regard to continued use of channel 6 for television broadcasting. Accordingly, we are denying NRB's request.

#### H. Requests for Changes in the Initial DTV Allotments

58. Channel 51 of San Diego, Inc. Channel 51 of San Diego, Inc. (Channel 51), licensee of NTSC station KUSI-TV, channel 51, San Diego, California, requests that we delete the channel 51 DTV allotment for Rancho Palos Verdes, California. The petitioner states that in a separate proceeding, it is requesting the deletion of the associated NTSC channel 44 allotment at Rancho Palos Verdes on the basis that the permittee, Rancho Palos Verdes Broadcasters, Inc. (RPVB), lacks reasonable assurance of a transmitter site and is not likely to construct the station.<sup>67</sup> Channel 51 argues that it would be an inefficient use of the spectrum to allot a channel that will not be used, and that the southern California area already suffers from a shortage of spectrum.<sup>68</sup> Channel 51 also submits that it does not dispute RPVB's status as a permittee that is eligible for a DTV allotment.<sup>69</sup>

59. In response, RPVB asserts that Channel 51's petition is procedurally flawed. RPVB notes that its extension application had already been filed when the Commission allotted DTV channel 51, Rancho Palos Verdes, in the *Sixth Report and Order*. It adds that the petitions for

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<sup>67</sup> RPVB is the permittee of unbuilt station KRPA-TV, NTSC channel 44 at Rancho Palos Verdes. In 1996, not having located a suitable transmitter site, RPVB filed an application for an extension of time within which to construct the NTSC facility. In the April, 1997, *Sixth Report and Order*, we allotted DTV channel 51, Rancho Palos Verdes, as KRPA-TV's paired DTV channel. RPVB supported a petition for reconsideration of that decision that was filed by MSTV, which proposed the allotment of DTV channel 29 instead of channel 51 as KRPA(TV)'s paired DTV channel. However, in the *Allotment Reconsideration Order*, we determined that the allotment of channel 29 to Rancho Palos Verdes would violate spacing requirements with Mexico, and we retained the channel 51 allotment. *Allotment Reconsideration Order*, at 6865, n. 22.

<sup>68</sup> Channel 51 petition, at 1-4.

<sup>69</sup> Channel 51 reply, at 2, 5.

reconsideration of the *Sixth Report and Order* did not raise the issue of RPVB's construction permit and whether its status should affect the DTV Table of Allotments. Therefore, according to RPVB, the current petition for reconsideration filed by Channel 51 is inconsistent with Section 1.429(b) of our rules. This provision permits the filing of a petition for reconsideration based on facts not previously presented only where there are changed circumstances, matters previously unknown to the party, or the Commission determines that consideration of the facts relied on is in the public interest.

60. Addressing the substance of Channel 51's petition, RPVB notes that Section 336(a)(1) of the Communications Act expressly limits initial eligibility for DTV licenses to persons that, as of the date of the issuance of the licenses, hold either a construction permit or license (or both) for a television broadcast station.<sup>70</sup> RPVB states that it falls within this class, because it was a permittee on April 3, 1997, the date we issued the initial licenses, and adds that it is currently a permittee. RPVB claims that the statute does not give the Commission the authority to deny a DTV allotment to an otherwise qualified broadcaster, an assertion that Channel 51 disputes.<sup>71</sup> In the alternative, RPVB states that if the Commission does have such discretion under the statute, it would be an abuse of that discretion to deny a DTV allotment to a party with a valid and outstanding construction permit, such as RPVB.<sup>72</sup>

61. Even if we were to determine that Channel 51's petition is procedurally flawed, its importance in the development of digital television in southern California would warrant our discretionary review of the substance of the petition. Therefore, we need not address the procedural issue.

62. The parties do not dispute that RPVB, as a permittee of an unbuilt station, was eligible for an initial DTV license pursuant to the 1996 Act. Additionally, neither party proposes the allotment of a different DTV channel for KRPA-TV. Thus, the resolution of this issue revolves around whether RPVB should retain the NTSC construction permit. In this regard, we note that on July 24, 1998, the Chief, Video Services Division, granted RPVB's extension application, making the issues raised by Channel 51 moot.

63. Since RPVB has a valid construction permit for analog station KRPA-TV, we shall retain for it the channel 51 DTV allotment. Accordingly, we are denying Channel 51's request that we delete the channel 51 allotment for Rancho Palo Verdes from the DTV Table. However, we take this opportunity to clarify that, should we decide to deny a permittee's extension application, we would cancel the permit, delete the vacant analog channel from the TV Table of Allotments, and may delete the associated DTV channel from the DTV Table. Such a procedure

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<sup>70</sup> 47 U.S.C. 336(a)(1).

<sup>71</sup> Channel 51 reply, at 2.

<sup>72</sup> RPVB opposition, at 4-6.

is consistent with our earlier steps deleting vacant analog channels in preparation for the DTV Table in the *Sixth Report and Order*.

64. Cosmos Broadcasting Corporation. Cosmos also requests that we change the DTV channel 58 allotment for its station WFIE-TV in Evansville, Indiana to channel 46. Cosmos asserts that use of DTV channel 46 by WFIE-TV would not result in unacceptable interference to other broadcasters. It states that this change would eliminate potential adjacent channel problems with WEHT-TV in Evansville, Indiana and the expense associated with an out-of core allotment. It also argues that the benefits of this change would outweigh any negative impact the change might have. In its reply filing, Cosmos states that changing WFIE-TV's DTV channel to channel 46 would result in negligible interference to three stations (less than 0.2% to one station and less than 0.01% to the others), none of which are short-spaced to WFIE-TV. It states that all of the affected broadcasters have been served with Cosmos' petition and none have objected or opposed its proposal. Cosmos also submits that its request considers full accommodation to LPTV and TV translator stations. It therefore states that its request satisfies all of our requirements for changes to the DTV Table.

65. In the *Allotment Reconsideration Order* we denied Cosmos request to change the WFIE-TV's DTV allotment to channel 46 based on analysis that indicated that operation of the station's DTV service on this channel would impact and cause interference to other stations. We have reexamined Cosmos request with respect to its WFIE-TV using the data base for the current DTV Table of Allotments. Our analysis in this case indicates that operation of WFIE-TV's DTV service on channel 46 would not adversely affect the service of any other stations. Additionally, no other broadcasters have objected to this change. We therefore will change WFIE-TV's DTV channel to 46, as requested.

66. Journal Broadcast Corporation. Journal Broadcast Corporation (Journal) requests that we change the DTV allotment of its station KTNV-TV in Las Vegas, Nevada from channel 17 to channel 12. Journal states that its petition for reconsideration showed that DTV channel 12 could be allotted to KTNV-TV without causing prohibited interference or otherwise violating our DTV policies. It argues that in dealing with its petition in the *Allotment Reconsideration Order* we: 1) failed to provide sufficient rationale for our action rejecting Journal's request; 2) failed to respond to information in the record; 3) ignored comments by other parties in support of its request; 4) ignored the showing that the DTV channel 17 allotment would impose significant costs on Journal and create environmental issues; and 5) failed to adhere to our stated principle of providing broadcasters with flexibility to develop their own DTV allotment approaches and plans.

67. Journal further requests that, if we decide to maintain KTNV-TV's DTV allotment as channel 17, we also confirm that its proposal to use channel 12 complies with the criteria for modification of an initial DTV allotments in Section 73.623 of the rules.<sup>73</sup> Specifically, Journal

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73 47 CFR 73.623(c).

requests that we or our staff in the Office of Engineering and Technology confirm through a declaratory ruling or a letter that the analysis in the “Engineering Statement” attached to its initial petition for reconsideration demonstrates that the use of channel 12 by KTNV-TV would meet the requirements of Section 73.623 and that the technical criteria for a channel change have been met. It states that this analysis shows that its proposal to use DTV channel 12 would result in a net gain in interference free service by KTNV-TV and a net reduction in interference to other stations. Journal states that a ruling confirming this analysis would remove uncertainty and allow it to proceed more quickly in seeking to modify KTNV-TV’s allotment through the procedures for requesting increases in DTV facilities set forth in Section 73.623. It further indicates that such a ruling would avoid the need for our Mass Media Bureau to spend additional resources to conduct a technical evaluation on a separate petition to modify the DTV Table, and would allow expedited review of that petition.

68. In our denial of Journal’s request to change the DTV allotment of KTNV-TV to channel 12 in the *Allotment Reconsideration Order*, we found that use of this channel for KTNV-TV’s DTV service would impact and cause increased interference to other stations.<sup>74</sup> In evaluating Journal’s instant request, we continue to find that changing KTNV-TV’s DTV allotment to channel 12 would not meet the no new interference test for changes made on reconsideration.<sup>75</sup> We therefore are denying Journal’s request that we change this station’s DTV allotment to channel 12 on reconsideration. We do, however, confirm Journal’s analysis that the requested change would be acceptable under the 2% criterion for *de minimis* impact that is applied in evaluating requests for modification of initial DTV allotments under Section 73.623(c)(2) of the rules.<sup>76</sup> Also, consistent with our desire to promote the rapid introduction of DTV service and to minimize the burden of this transition wherever possible, we will treat Journal’s request herein as a petition for rule making seeking modification of a DTV allotment as indicated above. Thus, we will issue an appropriate notice of proposed rule making proposing to change KTNV-TV’s DTV allotment from channel 17 to channel 12. It will not be necessary for Journal to submit a separate petition for rule making in this regard.

69. KOB-TV, L.L.C. In the *Allotment Reconsideration Order*, we changed the community of satellite station KOFT-TV’s DTV allotment from Gallup, New Mexico to Farmington, New Mexico. KOB-TV, L.L.C. (KOB), licensee of KOB-TV, Albuquerque, New

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<sup>74</sup> See *Allotment Reconsideration Order*, at para. 545.

<sup>75</sup> In the *Allotment Reconsideration Order* we stated that, as a general matter, we would make changes to DTV allotments on reconsideration where the changes, *inter alia*, “do not result in additional interference to other stations or allotments.” See *Allotment Reconsideration Order*, at para. 187.

<sup>76</sup> See Section 73.623(c)(2) of the rules, 47 CFR 73.623(c)(2).

Mexico, requests reconsideration of the change in the community for KOFT-TV.<sup>77</sup> KOB states that there is an outstanding rule making proceeding at the Commission, MM Docket No. 92-81, in which Pulitzer Broadcasting company (Pulitzer), KOFT-TV's licensee, is seeking to obtain that allotment change. KOB argues that while we have granted Pulitzer's application for modification of the construction permit for KOFT-TV to allow that station to be located at Farmington, the underlying rule making proceeding whereby the station's channel is to be reallocated to Farmington remains pending. KOB states that by listing both the NTSC and DTV channels for KOFT-TV as Farmington rather than Gallup, we appear to be prejudging the issues still pending in MM Docket No. 92-81. KOB therefore requests that we amend the DTV Table to specify KOFT-TV's NTSC and DTV channels as being allotted to Gallup.

70. Pulitzer Broadcasting Company (Pulitzer) opposes KOB-TV's petition. Pulitzer states that it had been issued a construction permit for channel 3 in Farmington at the time we issued the *Allotment Reconsideration Order*, and that we correctly viewed KOB-TV's petition for reconsideration of that decision as irrelevant to the DTV proceeding. It states that we properly based the DTV pairing on the coordinates set forth in Pulitzer's granted construction permit. It states that if KOB-TV's petition with regard to Pulitzer's construction permit is granted, then and only then, would it be appropriate for the Commission to change the paired channel in the DTV Table.

71. We disagree with KOB that changing the community of KOFT-TV's DTV allotment to Farmington prejudices issues still pending in MM Docket No. 92-81. At the time of the decision in the *Allotment Reconsideration Order* to locate KOFT-TV's DTV allotment at Farmington, we had already decided to relocate the existing NTSC channel 3 allotment at Gallup to Farmington and had issued a construction permit for Pulitzer to build facilities on that channel at Farmington.<sup>78</sup> Our decision to change the community of KOFT-TV's DTV allotment was consistent with both of those actions. We therefore are denying KOB's request that we change the community of KOFT-TV's NTSC and DTV allotments from Farmington to Gallup. If we were to subsequently grant KOB's petition for reconsideration of our allotment decision in MM Docket No. 92-81, we would change community of the paired NTSC and DTV allotments on which KOFT-TV will operate at that time.

72. Maranatha Broadcasting Company, Inc. Maranatha Broadcasting Company, Inc. (Maranatha) is the licensee of WFMZ-TV in Allentown, Pennsylvania. In its petition for reconsideration of the *Sixth Report and Order*, Maranatha requested that we eliminate the "short spacing" between WFMZ-TV's channel 46 DTV allotment and the co-channel DTV allotment for

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<sup>77</sup> See *Allotment Reconsideration Order*, at para. 290.

<sup>78</sup> See *Report and Order*, MM Docket No. 92-81, adopted February 1, 1996, 11 FCC Rcd 2357 (1996) and construction permit for Pulitzer to build in Farmington granted January, 1998.

WWAC-TV in Atlantic City, New Jersey.<sup>79</sup> It stated that these stations' transmitters are located only 145.7 km apart, a DTV-to-DTV co-channel short spacing of 50.5 km. Maranatha argued this short spacing is egregious and discriminatory because both stations have NTSC channels outside the core spectrum and will not be able to continue their DTV operations on those channels at the end of the transition. In other filings, Maranatha also noted that there was an error in the FCC data base with respect to the directional antenna pattern of WFMZ-TV. It argued that the short-spacing between the WFMZ-TV and WWAC-TV DTV allotments is attributable to this error in the FCC data base, in that we did not recognize the full amount of interference that would occur between these stations. It therefore requested that we identify alternative allotments for one or both stations.

73. In the *Allotment Reconsideration Order*, we found that there were no alternative DTV allotments that would improve the situation between WFMZ-TV and WWAC-TV without affecting other broadcast stations.<sup>80</sup> The FCC data base used in that analysis was modified to specify the correct directional antenna pattern for WFMZ-TV. We explained that in developing the DTV allotments, we used engineering criteria rather than spacing standards and we attempted to provide stations with allotments that would permit full replication of their NTSC service areas. Our analysis indicated that the channel 46 DTV allotment provided for WFMZ-TV meets this goal. We also observed that MSTV, in its *ex parte* filing, estimated that with this allotment WFMZ-TV will be able to replicate 99.8% of its existing service area and to serve 2,710,000 people, as compared to the 1,897,000 people served by its existing analog operations. Accordingly, we denied Maranatha's request.

74. In its Further Petition for Reconsideration, Maranatha argues that we failed to properly consider its earlier submissions which it claims showed that in deriving the DTV allotment for WFMZ-TV, we relied on erroneous information in our data base concerning the station's antenna. Maranatha submits that from the *Allotment Reconsideration Order*, it appears that we gave no consideration to its comments regarding the data base error, because our conclusion relied on area and population data provided by MSTV that substantially understate WFMZ-TV's NTSC service.

75. Maranatha acknowledges, however, that our staff informally advised its counsel and consulting engineer that the data base error had been corrected and that our staff also indicated that our analysis with the corrected data indicated that there would be some additional interference to the NTSC service of WBFF-TV, channel 45 in Baltimore, Maryland, but no additional interference to populations currently served by WFMZ-TV or WWAC-TV and not

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<sup>79</sup> Maranatha is concerned that the distance between the reference coordinates of WFMZ-TV and WWAC-TV are less than the minimum distances required between allotments for new DTV stations not included in the initial DTV Table as set forth in Section 73.623(d) of the rules, 47 CFR 73.623(d).

<sup>80</sup> See *Allotment Reconsideration Order*, at para. 563.

already subject to interference. It states that for that reason, we apparently believe the two channel 46 DTV allotments satisfy our DTV allotment objectives. Maranatha states that the result, however, is to sharply restrict, if not eliminate altogether, the potential for either station to improve its DTV facilities. It submits that beyond the transition period, the maximum power for WFMZ-TV's DTV facilities will be 500 kW, only half the maximum power for DTV stations. It further states that while it is theoretically possible that after the transition either WFMZ-TV or WWAC-TV might be able to operate on another less-restricted DTV allotment, such a shift would impose costs, delays and other burdens on the station seeking to relocate.

76. Maranatha states that it undertook engineering studies to attempt to locate an alternative DTV channel for either WFMZ-TV or WWAC-TV. It submits that, based on these studies, assignment of channel 8, 25, or 50 to WWAC-TV would be superior to that station's current allotment. Maranatha therefore requests that we replace the channel 46 DTV allotment at Atlantic City New Jersey with channel 8 or another channel that meets our allotment objectives for WWAC-TV.

77. In comments responding to Maranatha's petition, the Association of Maximum Service Television, Inc. (MSTV) states that while it takes no position on whether we should make the specific allotment changes suggested by Maranatha, it does agree that Maranatha should have its channel allotment determined on the basis of accurate data. It states that if the data base was in error, that information should be corrected and the affected allotments reevaluated in light of the corrected information.

78. Mountain Broadcasting Company (Mountain), the licensee of WMBC-TV, Newton, NJ, states that Maranatha's proposed alternative to substitute channel 8 at Atlantic City would further exacerbate the interference to WMBC-TV'S DTV service on channel 8. Mountain argues that Maranatha's real concern appears to be its ability to expand WFMZ-TV's DTV coverage in the future and that this cannot take precedence over Mountain's ability to simply maintain its existing level of service. It states that we should consider modifications that would help preserve WMBC-TV's existing level of service and not further erode that service. WWAC, Inc. (WWAC), replying to Maranatha's petition and Mountain's comments, proposes that we change WWAC-TV's DTV allotment from channel 46 to channel 50. It states that this change would eliminate the conflict between WWAC-TV and WFMZ-TV on channel 46 and avoid creating a new conflict between WWAC-TV and WMBC-TV that would result from Maranatha's alternative proposal to change WWAC-TV's DTV allotment to channel 8. WWAC also notes that this allotment was proposed by MSTV and supported by WWAC-TV in December of 1997. In comments filed on July 30, 1998, replying to Mountain, Maranatha submits that it has found a mistake in one of the programs in our allotment software that results in undercounting of population in high density population areas. It states that an analysis using a corrected version of this program indicates that substitution of channel 8 for WWAC-TV's DTV allotment would have only minimal effect on other stations- the largest increase being 2.84 percent additional interference to the co-channel NTSC service of WGAL-TV. Maranatha submits that we should either adopt one of the proposed substitute DTV channels for WWAC-TV or devise new DTV channels for WFMZ-TV

and WWAC-TV that eliminate the short-spacing between these stations' DTV operations.

79. As noted above, the DTV allotments were developed based on replication of stations' existing service areas. While we provided procedures for increasing the facilities and service areas of DTV stations included in the initial DTV Table, the potential for increasing the area served by a DTV station was not one of the criteria used in selecting channels for allotments. We further note that Maranatha acknowledges that we corrected our engineering base in response to its earlier petition. Our analysis at that time, using the correct antenna pattern for WFMZ-TV, indicated that the channel 46 was still the best available choice for this station's DTV channel. We also find that the software correction suggested by Maranatha does not materially affect the findings of our analysis. Notwithstanding this evaluation, we do, however, believe it is desirable to accommodate Maranatha's concerns regarding WFMZ-TV's DTV allotment to the extent that a solution can be provided that satisfies all affected broadcasters. In previous decisions in this proceeding we have recognized that some adjustments in the allotments may be necessary or desirable and have encouraged licensees to work out voluntary solutions to allotment problems.<sup>81</sup> In this regard, we have analyzed the option to change WWAC-TV's DTV allotment to channel 50 that was proposed by Maranatha and agreed to by WWAC. Our analysis indicates that operation of WWAC-TV's DTV service on channel 50 would not impact or adversely affect other stations. It also appears that this option is acceptable to, and beneficial for, all affected parties. Accordingly, we are granting Maranatha's request for reconsideration and are changing WWAC-TV's DTV allotment to channel 50.

80. Noe Corp. L.L.C. Noe Corp. L.L.C. (Noe), the licensee of KNOE-TV in Monroe, Louisiana, requests that the DTV channel 8 allotment provided for station KPLC-TV in Lake Charles, Louisiana be changed. It states that use of DTV channel 8 by KPLC-TV will harm KNOE-TV's NTSC channel 8 operations. According to Noe, KPLC-TV's operation on DTV channel 8 would affect 19% of the population and 6.8% of the geographic area served by KNOE-TV. It asserts that to inflict new interference of this magnitude on KNOE-TV is unnecessary and inefficient. It also argues that this change will affect the DTV service of KPLC-TV. Specifically, Noe submits that KPLC-TV would receive interference from KNOE-TV to 1.9% of the population and 4.7% of the land area currently served within KPLC-TV's Grade B contour and that this is interference KPLC-TV would not receive if it operated on channel 53. It therefore requests that KPLC-TV be allotted DTV channel 53, the original DTV allotment for this station, or some other channel requested by Cosmos Broadcasting Company (Cosmos), the licensee of KPLC-TV. Noe notes that Cosmos, in its petition for reconsideration, proposed the allotment of channels 8, 13, 19, 38, 39 or 43 as KPLC-TV's paired DTV channel, with channel 8 being the most desirable.

81. Cosmos, the licensee of KPLC-TV, opposes Noe's petition. Cosmos submits that in

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81 See e.g., *Sixth Report and Order*, at paras. 172 and 182, and *Allotment Reconsideration Order*, at paras. 146 and 147.

granting its request for reassignment of KPLC-TV's DTV allotment from channel 53 to channel 8, we required that KPLC-TV operate its DTV facilities with reduced power and a directional antenna. It notes that these limitations were imposed to address concerns for interference to KNOE-TV. Cosmos states that Noe's showing is based on the erroneous presumption that KPLC-TV is authorized a maximum ERP of 17 kW. It notes that as listed in the DTV Table of Allotments, KPLC-TV's authorized ERP is only 3.2 kW. It further states that its own engineering analysis, using the operating facilities permitted in the DTV Table, confirms that interference to KNOE-TV from KPLC-TV would affect only 0.8% of the population within KNOE-TV's current Grade B contour. Cosmos states that this level of interference is hardly an actionable claim, as nearly one of every four NTSC stations will experience interference at this level or greater as a result of DTV. Nevertheless, Cosmos further states that it is prepared to work with Noe to address its concerns about interference and indicates that it has contacted Noe about possible options to minimize the predicted interference.

82. As noted by Cosmos, in changing KPLC-TV's DTV allotment to channel 8 we required that this station operate its DTV service with reduced power and a directional antenna in order to avoid interference to KNOE-TV. Our analysis indicates that operation of KPLC-TV's DTV service on channel 8 with a maximum ERP of 3.2 kW and a directional antenna as specified in the FCC Directional Antenna Data Base will not result in significant additional interference to KNOE-TV's co-channel NTSC service.<sup>82</sup> We also take note that Cosmos is taking steps to work with Noe on possible options for minimizing interference.<sup>83</sup> Accordingly, we are denying Noe's request that we allot a different channel for KPLC-TV's DTV service.

83. Paxson Communications Corporation. Paxson Communications Corporation (Paxson) seeks reconsideration of the DTV allotment for its station WPXM-TV in Miami, Florida. Paxson indicates that it wishes to relocate the DTV facilities of WPXM-TV to the Hollywood, Florida antenna farm. It argues that to comply with our standards and regulations two interdependent requests are required. First, it requests that WPXM-TV's DTV allotment be changed from channel 26 to channel 31; and, second, it requests that WPXM-TV's transmitter site be relocated to the Hollywood antenna farm (25° 57' 59" N.L. and 80° 12' 33" W.L.).<sup>84</sup> Paxson states that it needs to relocate its DTV facilities because its existing NTSC tower cannot support additional DTV equipment and that the Hollywood site would avoid receiver antenna

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82 The "FCC Directional Antenna Data Base" is referenced in our OET Bulletin No. 69, and is used by the our Mass Media Bureau in processing applications for DTV facilities. A copy of this data base is maintained on the FCC internet site, at <http://www.fcc.gov>.

83 See Cosmos opposition, at p. 3.

84 Paxson originally sought to change WPXM-TV's DTV allotment to channel 3. However, recognizing the need to avoid the allotment of channels 3 and 4 in the same market, it supplemented its petition and requested that we change WPXM-TV's DTV allotment to channel 31.

orientation problems. It states that these changes are consistent with our policy of providing broadcasters flexibility to develop alternative allotment approaches and would not cause increased interference except for a small number of people (18,587) in the service area of WTVJ-TV's channel 30 DTV operation in Miami. It submits that this represents only 0.5% of the population served by WTVJ-TV. Paxson states that an added benefit of this change would be to simplify the allotment scheme in the Miami area. It recognizes that in the *Allotment Reconsideration Order* we declined to consider relocation requests as a matter for reconsideration. Paxson states that while it agrees that simple relocation requests are more properly treated through other procedures, it would be arbitrary and capricious to exclude such sufficiently unique and interdependent cases such as presented by WPXM-TV.

84. Post-Newsweek Stations of Florida, Inc. (Post-Newsweek), the licensee of WPLG-TV in Miami, Florida opposes the Paxson petition. It argues that Paxson's request should be denied on procedural grounds since neither Paxson nor Channel 35 of Miami, the prior licensee of the station, filed comments, reply comments, a petition for reconsideration or a supplemental petition for reconsideration requesting such a change. Post-Newsweek states that it would be unfair if we were to grant Paxson's late-filed request after denying similar timely-filed requests.

85. In its reply, Paxson submits that its request for reallocation and relocation of its DTV channel is sought to remedy a tower availability issue that has arisen. It states that the only alternative available site in the Miami market that would allow WPXM-TV to operate without receiver antenna orientation problems is at the Hollywood antenna farm. Paxson indicates that while there were previous opportunities to file pleadings responsive to the *Sixth Report and Order*, circumstances such as this do not conveniently occur within the normal calendar deadlines for notice and comment rule makings. Paxson states that given the unique nature of its request, the circumstances in which the request arises and the fluid landscape of DTV allotments, grant of its request is warranted.

86. In the *Allotment Reconsideration Order*, we stated that requests for change of transmitter sites should be handled under the DTV allotment modification procedures provided in the rules and not as a matter for reconsideration.<sup>85</sup> We noted that such changes generally entail detailed engineering solutions that are best dealt with as part of a specific application or a solution requiring agreement from all affected stations.<sup>86</sup> We continue to believe that this approach is appropriate. Accordingly, while we understand the logic of Paxson's effort to resolve its tower availability problem through a change in both the channel and location of WPXM-TV's DTV operation, we find that this request should be handled through the procedures for modification of initial DTV allotments in Section 73.623 of the rules. In examining Paxson's request, we find that changing the channel and location of WPXM-TV's DTV allotment as requested would be

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85 See *Allotment Reconsideration Order*, at para. 190.

86 *Id.*, at para. 384.

acceptable under criteria in Section 73.623 of the rules.<sup>87</sup> Therefore, consistent with our treatment of Journal's channel change request above, we will treat Paxson's request as a petition for rule making seeking modification of a DTV allotment. It will not be necessary for Paxson to submit a separate petition for rule making in this regard.

87. Pentacostal Revival Association, Inc. Pentacostal Revival Association, Inc. (PRA) is the operator of low power station, WJGV-LP in Palatka, Florida. It requests that the channel 49 DTV allotment provided to WNTO-TV in Daytona Beach, Florida be changed so that WJGV-LP can continue to operate on channel 49. PRA states that while its petition is procedurally overdue, there is good cause for this request for belated action. In this regard, it states that WJGV-LP provides public service that will be lost and that a station serving Daytona Beach, Florida is unable to serve the rural market of Palatka as effectively as a station that dedicates itself solely to that community. In addition, Palatka argues that the new DTV service that will displace its station will merely be providing duplicative programming of that station's analog service. It states that since WJGV-LP has been afforded must-carry status in the area, it should be afforded protection from displacement by a DTV station.

88. As we held in the *Sixth Report and Order*, affirmed in the *Allotment Reconsideration Order*, and again held in the *Channel 60-69 Reallocation Order*, low power stations remain secondary to both the analog and DTV service of full service broadcast television stations.<sup>88</sup> Apart from a number of adjustments to protect low power operations where it would not affect the operations of full service stations, we have decided to generally decline to grant requests that we modify the DTV Table in order to protect existing low power television or TV translator stations.<sup>89</sup> As we observed in those previous decisions, it is necessary to displace a significant number of low power TV and TV translator stations in order to implement DTV. We therefore are denying Pentacostal's request that we change the DTV allotment of WNTO-TV so that WJGV-LP can continue to operate on channel 49. We have, however, in recognition of the benefits provided by low power stations, made a number of rule changes for such stations to minimize the impact of DTV on their operations and to provide them with additional flexibility to find replacement channels when necessary.<sup>90</sup> If spectrum is available, the petitioner may be able to switch its operations to another channel or seek other solutions available under the rules.

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87 See Section 73.623 of the rules, 47 CFR 73.623.

88 See *Sixth Further Notice*, at para. 81; *Allotment Reconsideration Order*, at para. 107; and *Channel 60-69 Reallocation Order*, at paras. 28-31.

89 See *Sixth Report and Order*, at paras. 140 and 143; and *Allotment Reconsideration Order*, at para. 108.

90 See *Sixth Report and Order*, at paras. 142-147; and *Allotment Reconsideration Order*, at paras. 107-121.

89. Ramar Communications Inc. Ramar Communications Inc. (Ramar) states that certain changes in the DTV Allotment Table have made a substantial negative impact on its station KJTV-TV in Lubbock, Texas. It argues that previously KJTV-TV was allotted DTV channel 35 and that the *Sixth Report and Order* indicated that this channel would provide for 100% replication of KJTV-TV's NTSC service. It observes that the *Allotment Reconsideration Order*, however, indicates that KJTV-TV's DTV channel 35 operations will provide for only a 94.5% service match. Ramar states that this change is apparently a result of our changing the DTV allotments for KOBR-TV in Roswell, New Mexico and KLBK-TV in Lubbock, Texas from channels 38 and 40 to channels 35 and 38, respectively, in order to accommodate an existing low power TV or TV translator station. It states that protection of an LPTV station should not be allowed to have such a negative impact on the viability of an existing full-power station. It requests that we make the necessary changes to reinstate KJTV-TV to 100% service replication. Ramar suggests that a viable solution to this problem would be to return KOBR-TV to DTV channel 38 and KLBK-TV to DTV channel 40. Ramar further states that in this case the changes made in the DTV Table to protect low power stations contradict our declarations that we made channel changes to preserve low power operations only where they would not affect the operations of full service stations and that we considered replacement channels acceptable only if they would provide the same replication. It contends that the changes in this instance did not meet this policy.

90. The Stanley S. Hubbard Revocable Trust (Hubbard), licensee of KOBR-TV, filed comments in support of Ramar's petition. Hubbard states that in the *Allotment Reconsideration Order*, we changed KOBR-TV's DTV allotment from channel 38 to channel 35 and reduced its ERP to 839 kW. It submits that this change reduced KOBR-TV's service replication from 100% to 97.2%; and also reduced the service replication of Ramar's KJTV-TV as indicated above. Hubbard argues the changes made to the DTV channels of KOBR-TV and KLBK-TV do not meet our test that alternative channels would be considered for full service stations to preserve LPTV stations only if they provided the same replication. It therefore supports Ramar's request that we reinstate the original DTV allotments for these two stations that were in the *Sixth Report and Order*. MSTV, in its comments, states that while it has not assessed the merits of Ramar's specific contentions, it strongly supports the underlying premise of Ramar's petition to maintain the secondary status of low power stations. It urges that the channel changes made to protect low power stations be reexamined to ensure that no full power station suffered a reduction in DTV coverage or an increase in interference to their NTSC service.

91. We have re-examined the changes made to the DTV allotments of KOBR-TV and KLBK-TV in light of the concerns expressed by Ramar and Hubbard. We find that the reductions in service replication observed by these petitioners do reflect the changes made to the DTV channels of KOBR-TV and KLBK-TV to preserve low power service. As these changes impact the ability of KJTV-TV and KOBR-TV to replicate their existing service areas, they are inconsistent with the standard we used in determining the acceptability of changes to protect low power stations and therefore were made in error. To remedy this error we are returning the DTV allotments of KOBR-TV and KLBK-TV to channels 38 and 40, respectively, as specified in the

*Sixth Report and Order.*

92. Warwick Communications, Inc. Warwick Communications, Inc. (Warwick) requests that we review its previous request to substitute DTV channel 31 for the DTV channel 52 allotment provided for its station KFXK-TV in Longview, Texas. It states that in the *Allotment Reconsideration Order* we did not address its DTV channel 31 proposal, but rather simply denied its initial request for DTV channel 26 contained in its petition for reconsideration. Warwick states that in subsequent comments filed in response to MSTV's *ex parte* submission, it had proposed that KFXK-TV's allotment be changed to channel 31. Warwick further represents that although the channel 31 allotment was not contained in the MSTV submission, it was subsequently reviewed by MSTV and was consistent with the standards used to develop MSTV's proposed changes. Warwick submits that its DTV channel 31 proposal is fully compatible with our DTV objectives. In addition, it states that substituting DTV channel 31 for channel 52 would eliminate short spacings to the NTSC channel 54 allotment in Longview, Texas for which there are pending applications.

93. We have evaluated Warwick's request that we change KFXK-TV's DTV allotment to channel 31. Our analysis indicates that operation of KFXK-TV's DTV service on channel 31 would not adversely affect other stations and would otherwise be consistent with our DTV allotment policies and objectives. We therefore are changing KFXK-TV's DTV allotment to channel 31 as requested.

#### I. International Negotiations

94. On July 22, 1998, the FCC and Mexico's Secretariat of Communications and Transportation (SCT) signed a Memorandum of Understanding (MOU) that establishes procedures for implementing DTV service along the United States/Mexico border.<sup>91</sup> The MOU contains the following major provisions: 1) a list of mutually acceptable second channel DTV allotments for each country; 2) the procedures to be used for notifying each administration of plans to implement DTV service relative to an allotment; and 3) the methods to be used by each administration in evaluating the acceptability of proposed DTV facilities. The notification procedures set forth in the MOU provide for an expedited process through which most authorized DTV stations can begin operation within 15 days of notification to the other country. In developing the list of mutually acceptable DTV allotments for each country, it was necessary to change the channel of the DTV allotment for KZIA-TV, Las Cruces, New Mexico from 36 to 47. Our analysis indicates that changing KZIA-TV's DTV allotment to channel 47 will not result in

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91 See *Memorandum of Understanding Between the Federal Communications Commission of the United States of America and the Secretaria de Comunicaciones Y Transportes of the United Mexican States Related to use of the 54-72 MHz, 174-216 MHz and 470-806 MHz Bands for the Digital Broadcasting Service Along the Common Border*, July 22, 1998, Washington, DC and Mexico City, D.F.

interference to other stations. We have advised the station of this matter and it has not objected to the change. Accordingly, we are therefore changing KZIA-TV's DTV allotment to channel 47 to comport with the MOU.

#### J. Minimum Hours of Operation

95. On September 17, 1998, the Dispatch Broadcast Group (Dispatch), permittee of DTV stations WBNS-DT, Columbus, Ohio and WTHR-DT in Indianapolis, Indiana, submitted a written *ex parte* presentation requesting that we reconsider the requirement under Section 73.624(b) of the rules that once a DTV station commences operations, it must operate its DTV station any time its associated NTSC station operates.<sup>92</sup> Dispatch asks that for the next six months, or until such time as DTV receivers are determined to be available for retail in sufficient supply and high definition (HDTV) programming is available from a station's affiliated network, we allow DTV stations to operate in accordance with the less demanding minimum operating schedule for new NTSC stations in Section 73.1740(a)(2) of the rules.<sup>93</sup> In presenting this request, Dispatch states that it is committed to providing free DTV service to viewers in Columbus and Indianapolis as soon as practicable and that to that end, despite having until May 1, 2002, to begin DTV operation in Columbus under Section 73.624(d) of the rules, has filed for and received construction permits for both of its DTV stations and is now fully prepared to commence their operation.<sup>94</sup>

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92 See 47 CFR 73.624(b). This requirement applies to both commercial and noncommercial DTV stations. Dispatch's request was submitted after the closing date for filing petitions for reconsideration of actions taken in the *Fifth Report and Order* and therefore was not included as part of the reconsideration filings and comment cycle. However, we find that the issue raised in its request warrants action and are therefore addressing Dispatch's request *sua sponte* herein.

93 Section 73.1740(a)(2) requires that NTSC stations, during the first 18 months of operation must operate not less than 2 hours daily in any 5 broadcast days per calendar week and not less than a total of 12 hours per week. See 47 CFR 73.1740(a)(2).

94 Section 73.624(d) sets forth a construction timetable for DTV stations as follows:

- 1) May 1, 1999, for all network affiliated stations in the top ten television markets;
- 2) November 1, 1999, for all network affiliated stations not included in category 1) and in the top 30 television markets;
- 3) May 1, 2002, all remaining commercial television stations;
- 4) May 1, 2003, all noncommercial television station.

For purposes of this rule, network is defined to include the ABC, CBS, NBC, and Fox television networks. See 47 CFR 73.624(d). We also note that 26 DTV stations have voluntarily committed to begin DTV service by November 1, 1998.

96. Dispatch states that while it is prepared to incur the costs to provide maximum coverage to its viewers, *i.e.* operate its stations during the same hours it operates its NTSC stations, it would make no sense to incur these monthly expenses now, when there are no DTV viewers because there are no DTV sets available in either of its markets.<sup>95</sup> Dispatch further states that the prospect for significant availability of DTV receivers in the Columbus and Indianapolis markets is a minimum of six to 12 months away. It states that it plans to promote HDTV service using DTV sets placed in as many publicly accessible locations as possible throughout each market to encourage and develop demand for the service. Dispatch submits that while a requirement to operate DTV stations on the same schedule as their associated NTSC stations may ultimately be necessary to build momentum to the transition to DTV, such a requirement is currently premature and will discourage construction and promotion of HDTV in the early phases of the transition. It further argues that there is little risk to our ultimate goal of encouraging a rapid transition to DTV from the policy change proposed herein, because after having made the significant investment to construct their DTV stations, permittees/licensees will have every incentive to operate their stations once the market develops. It states that requiring stations to immediately operate as if the market has already developed will delay the transition by discouraging stations from commencing operation until they are required to do so by the rules.

97. We agree with Dispatch that it is desirable to provide stations with greater flexibility in scheduling their DTV operations in the early phases of the DTV implementation process. At the same time, we also believe it is important that stations operate their DTV services at times when they also provide NTSC service in order that programming be available to consumers as they obtain DTV receiving equipment. The DTV minimum hours requirement is an integral part of the requirement that digital broadcasters provide one free over-the-air program service and provides a convenient and relatively unintrusive measure of compliance with that requirement. We believe the best course for addressing the concern presented by Dispatch is to allow stations, both commercial and noncommercial, that voluntarily commence DTV service prior to the applicable construction deadline to have complete discretion to determine the schedule on which they operate their DTV service, and as of their various DTV construction deadlines to require that they operate in accordance with Section 73.624(b). We believe this will encourage permittees/licensees to begin DTV operations as soon as possible and thereby promote the more rapid introduction of this new service. In general, we expect that DTV receivers will be available in all markets in accordance with our plan of different required starting dates for stations in markets of different size. Accordingly, we are modifying Section 73.624(b) to provide that DTV stations will not be subject to any minimum operating schedule before the date on which they are required to commence operation under Section 73.624(d), and thereafter will be subject to the existing requirement under Section 73.624(b) that they operate, *i.e.*, provide at least one free over-the-air video program at no charge to viewers, at any time their associated NTSC stations

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95 Dispatch indicates that its NTSC stations operate 24 hours per day, 7 days a week. It states that the cost of operating DTV stations full-time (given their respective UHF channels) would be \$10,000-\$12,000/month for WBNS-DT and \$12,000-\$15,000 for WTHR-DT.

are operating, *i.e.* providing a video program signal.<sup>96</sup>

98. In granting Dispatch's request for relief from the operating requirements as indicated above, we also note that in the *Service Reconsideration Order* we declined to grant a request by Chronicle Publishing Company (Chronicle) that we modify the requirement that broadcasters provide a free DTV video programming service when their associated NTSC station is broadcasting. Chronicle specifically requested that we exempt broadcasters from providing a free DTV video signal between the hours of midnight and 6:00 a.m. (even though the analog station is broadcasting) in order to allow licensees to conduct maintenance or resolve any technical or other unanticipated problems arising from the use of new digital technology, especially in the UHF band.<sup>97</sup> We found that the remedy suggested by Chronicle for this concern was overbroad. We stated that in the event that stations experience unexpected technical difficulties with the required transition to DTV such as those outlined by Chronicle, they may request special temporary authority to operate at variance from our required minimum digital television service on a case-by-case basis so that such technical difficulties can be resolved. We continue to believe it is appropriate to require broadcasters to provide a free DTV video signal between the hours of midnight and 6:00 a.m. when the associated NTSC station is broadcasting. In this regard, the Chronicle's request differs from that of Dispatch in that Chronicle sought a permanent exemption in order to allow stations to perform maintenance and resolve technical problems. As noted above, we found that there are other, more appropriate remedies for addressing such problems. Dispatch's request, on the other hand, concerns an economic issue relating to stations that commence operation of DTV service early. The solution we have provided for that issue is limited to operations by stations that commence service early, *i.e.*, before the date at which they are required to commence operation under Section 73.624(d). Once the date for construction has passed, all DTV stations will be required to transmit at least one free video program service at all times that they broadcast a video program service on their NTSC channel.

#### K. Other Issues

99. Pikes Peak Broadcasting Company. Pikes Peak Broadcasting Company (Pikes Peak), the licensee of station KRDO-TV, DTV channel 24 in Colorado Springs, Colorado, requests reconsideration of the channel 26 DTV allotment provided for station KTSC-TV in Pueblo, Colorado and licensed to the University of Southern Colorado (USC). Pikes Peak states that the coordinates for KTSC-TV are in error and reflect a previous construction permit. It states that the authorization to move KTSC-TV's transmitter expired on February 28, 1993, and that, while

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96 For purposes of clarification, we note that the stations that have volunteered to begin DTV service by November 1, 1998 will be permitted full discretion in determining when to operate their DTV facilities up to the date on which they are required to have constructed those facilities pursuant to Section 73.624(d).

97 Chronicle expressed concern about unexpected difficulties for stations operating on channels adjacent to nearby stations.

an application to extend the construction permit had been filed, the Commission has not ruled on the extension request. Pikes Peak states that the correct transmitter site is at Baculite Mesa, N.L. 38° 22' 25" and 104° 33' 27" W.L. It states that in comments filed in response to MSTV's *ex parte* filing, it pointed out that the proper coordinates for KTSC-TV were not specified. It requests that we correct the transmitter site coordinates for KTSC-TV to reflect that station's current site and change the station's DTV channel to channel 46.

100. USC opposes Pikes Peak's petition, stating that contrary to Pikes Peak's contention, the coordinates for KTSC-TV are accurate. USC states that KTSC-TV's DTV allotment is correctly based on the facilities authorized in its 1991 construction permit to relocate the station to Cheyenne Mountain. Pikes Peak, in its reply, states that USC fails to address the critical issue of its announced plans not to build at Cheyenne Mountain. It states that USC has announced publicly to NAIA, in press releases and in its petition for rule making, that it has no intention of ever building at Cheyenne Mountain. It asserts that not to change KTSC-TV's DTV allotment is asking for unnecessary delay in the DTV roll out because of the interference that construction at Baculite Mesa will cause.

101. As indicated in the *Sixth Report and Order*, DTV allotments were based on licenses and construction permits granted as of April 3, 1997.<sup>98</sup> As of that date, USC had been granted a construction permit to relocate KTSC-TV to a new site at Cheyenne Mountain.<sup>99</sup> The fact that USC's application for extension and modification of that construction permit is still pending does not affect the validity of the station's DTV allotment. Moreover, USC has not indicated to this Commission that it does not intend to build at Cheyenne Mountain under its construction permit. With regard to Pikes Peak's request that KTSC-TV's DTV allotment be changed to channel 46, Pikes Peak has not provided any information on why such a change is necessary or appropriate. Our review of the channel 26 DTV allotment provided for KTSC-TV indicates that this channel is satisfactory for that station's DTV operation. Accordingly, we are denying Pikes Peak's requests to change the coordinates of KTSC-TV's DTV allotment to those of Baculite Mesa and to change this allotment to channel 46.

102. Viacom Inc. Viacom Inc. seeks further reconsideration with regard to the channel 36 DTV allotment for its station KSTW-TV in Tacoma, Washington. It argues that we used the incorrect antenna height above average terrain (HAAT) for KSTW-TV, which resulted in a reduced DTV effective radiated power (ERP) for this station.<sup>100</sup> It asks that we amend the DTV Table to reflect an antenna HAAT of 271 meters and an ERP of 1000 kW.

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98 See *Sixth Report and Order*, at para. 33.

99 USC was granted a construction permit to relocate KTSC-TV to Cheyenne Mountain on February 28, 1991.

100 The DTV Table of Allotments reflects an antenna HAAT of 363 meters and an ERP of 772.7 kW for KSTW-TV.

103. The antenna HAAT and ERP specified for KSTW-TV represent the facilities needed to replicate the NTSC service area predicted for this station based on an outstanding construction permit. We have examined the change requested by Viacom for KSTW-TV and have determined that the station's DTV power could be raised to 1000 kW if the antenna HAAT is correspondingly lowered to 271 meters. Our analysis indicates that operation of KSTW-TV's DTV service at this power and antenna height would in fact result in lower potential for interference to other stations. Accordingly, we are modifying DTV facilities specified for KSTW-TV in Appendix B to indicate an antenna HAAT of 271 meters and an ERP of 1000 kW, as requested.

104. Corrections/Changes. In the DTV Table of Allotments included in the rule amendments set forth in Appendix E of the *Allotment Reconsideration Order*, a number of DTV allotments were inappropriately specified with the "c" designation that designation that indicates a station operating on the allotment must operate with precise carrier frequency control.<sup>101</sup> We are removing the "c" designation from those allotments where its application was in error. We are also replacing existing vacant noncommercial reserved NTSC allotments with new noncommercial reserved DTV allotments where feasible, as indicated in the *Sixth Report and Order*.<sup>102</sup> As indicated in that decision and the *Allotment Reconsideration Order*, at the end of the transition period we will, on our own motion, also consider establishing additional DTV noncommercial reserved allotments for existing noncommercial reserved NTSC allotments that cannot be replaced at this time.<sup>103</sup>

105. In the first sentence of Section 73.622(e)(1) of the rules, the reference to Section 73.625(d) is corrected to read Section 73.625(b).<sup>104</sup>

106. In the *Allotment Reconsideration Order*, we granted KMSB-TV, Inc.'s request to correct the community designation of its station KMSB-TV from Nogales, Arizona to Tucson, Arizona and to change the station's reference coordinates from 31° 42' 18" N.L. and 110° 55' 26" W.L. to 32° 24' 54" N.L. and 110° 42' 59" W.L. In a letter of April 20, 1998, KMSB-TV observes that Appendix B of the *Allotment Reconsideration Order* does not reflect the authorized change of reference coordinates for KMSB-TV and requests that we correct this error. We have amended Appendix B to reflect the location of KMSB-TV at the correct coordinates.

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101 See Section 73.622(b) and (g) of the rules, 47 CFR 73.622(b) and (g).

102 See *Sixth Report and Order*, at para. 112. The replacement noncommercial reserved DTV allotments established herein are set forth in the amendments to the DTV Table Allotments in Appendix E.

103 See *Sixth Report and Order*, at para. 112; and *Allotment Reconsideration Order*, at para. 134.

104 See Section 73.622(e)(1) of the rules, 47 CFR 73.622(e)(1).

107. In a Report and Order adopted on January 14, 1998, the Commission reallocated the channel 18 NTSC allotment of station KSCI-TV from San Bernardino, California to Long Beach, California.<sup>105</sup> This change in KSCI-TV's community of license did not involve a relocation of the station's transmitter site. In accordance with that Report and Order, we are modifying the community of KSCI-TV's channel 18 DTV allotment to reflect the change in the station's NTSC community of license from San Bernardino to Long Beach..

## V. PROCEDURAL MATTERS

108. Paperwork Reduction Act of 1995 Analysis. This Memorandum Opinion and Order has been analyzed with respect to the Paperwork Reduction Act of 1995, Pub. L. No. 104-13, and found to impose no new or modified information collection requirements on the public.

109. Supplemental Final Regulatory Flexibility Analysis. With respect to this Memorandum Opinion and Order, the Commission has prepared a Supplemental Final Regulatory Flexibility Analysis, under the Regulatory Flexibility Act, of the possible significant economic impact on small entities of the rules in this document. The Supplemental FRFA is set forth as Appendix C.

110. Ordering Clauses. In accordance with the actions described herein, IT IS ORDERED THAT Part 73 of the Commission's rules IS AMENDED as set forth in Appendix E. In addition, IT IS ORDERED that the rule amendments set forth in Appendix D SHALL BE EFFECTIVE 30 days after publication in the Federal Register. This action is taken pursuant to authority contained in Sections 4(i), 7, 301, 302, 303, 307 and 336 of the Communications Act of 1934, as amended, 47 U.S.C. Sections 154(i), 157, 301, 302, 303, 307 and 336.

111. IT IS FURTHER ORDERED that the Commission's Office of Public Affairs, Reference Operations Division, SHALL SEND a copy of this Memorandum Opinion and Order, including the Supplemental Final Regulatory Flexibility Analysis, to the Chief Counsel for Advocacy of the Small Business Administration.

112. For additional information concerning this matter, contact Bruce Franca, Office of Engineering and Technology, (202) 418-2470, Alan Stillwell, Office of Engineering and Technology, (202) 418-2470, or Robert Eckert, Office of Engineering and Technology, Technical Research Branch, (202) 418-2433.

FEDERAL COMMUNICATIONS COMMISSION

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<sup>105</sup> See *Report and Order*, MM Docket No. 97-170 (RM-8980), DA 98-154, released January 30, 1998.

Magalie Roman Salas  
Secretary

**APPENDIX A**  
**PETITIONING AND OPPOSING/COMMENTING PARTIES**

Parties Filing Petitions for Reconsideration

1. Beaumont 21 L.L.C.
2. Channel 51 of San Diego, Inc.
3. Ch 32 Hispanic Broadcasters, Ltd.
4. Cosmos Broadcasting Corporation
5. Davis Television Pittsburg, LLC; Davis Television Corpus Christi, LLC; Davis Television Topeka, LLC; and Davis Television Duluth, LLC (collectively Davis Television)
6. Detroit Educational Television Foundation
7. Educational Television Association of Metropolitan Cleveland
8. Fant Broadcasting Development L.L.C. (Plaquemine, Louisiana)
9. Fant Broadcast Development L.L.C. (Jackson, Mississippi)
10. Fant Broadcast Development L.L.C. (New Albany, Indiana)
11. Fox Broadcasting Company
12. Green Bay 44, L.L.C.
13. Island Broadcasting Ltd.
14. Journal Broadcast Corporation
15. KOB-TV, L.L.C.
16. Maranatha Broadcasting Company, Inc.
17. Milwaukee Area Technical College District Board
18. Mississippi Authority for Educational Television
19. National Religious Broadcasters' Association
20. Noe Corp. L.L.C.
21. Oregon Family Broadcasting Association
22. Oro Valley 52, L.L.C.
23. Pappas Telecasting of America (Owensboro, Kentucky)
24. Pappas Telecasting of America (Charleston, West Virginia)
25. Pappas Telecasting of America (Vergennes, Vermont)
26. Pappas Telecasting of the Midlands and Pappas Telecasting of Southern California (Ames, Iowa and Avalon, California)
27. Paxson Communications Corporation  
(also filed supplement to petition)
28. Pelican Broadcasting Corporation (Cheney, Washington)
29. Pelican Broadcasting Corporation (Marshfield, Missouri)
30. Pentacostal Revival Association, Inc.
31. Pikes Peake Broadcasting Company
32. Ramar Communications Company
33. South Central Communications Corporation, SWMM/Knoxville Corporation, and Channel 26, Ltd. (collectively South Central Communications Corp.)
34. Viacom, Inc.
35. Warwick Communications, Inc.
36. Western New York Public Broadcasting Association

37. WXXI Public Broadcasting Council
38. Zavaletta Broadcasting of Pueblo
39. Zavaletta Broadcasting of Sherman

Parties Filing Oppositions/Comments

1. America 51, L.P.
2. Association for Maximum Service Television, Inc.
3. Channel 3 of Corpus Christi, Inc.
4. Civic License Holding Company, Inc.
5. Cosmos Broadcasting Corporation
6. The Stanley S. Hubble Revocable Trust
7. Independence Television Company
8. Jovon Broadcasting Corporation
9. Kentucky Authority for Educational Television
10. Lee Enterprises, Inc.
11. Montgomery Communications, Inc.
12. Mountain Broadcasting Corporation
13. Mountain Lake Public Telecommunications Council
14. Northeast Kansas Broadcast Service, Inc.
15. Oregon Television, Inc.
16. Post-Newsweek Stations of Florida, Inc.
17. Pulitzer Broadcasting Company
18. Rancho Palos Verdes Broadcasters, Inc.
19. Sinclair Broadcast Group
20. The University of Southern Colorado
21. WATE, L.P.

Parties Filing Replies to Oppositions/Comments

1. Channel 51 of San Diego, Inc.
2. Cosmos Broadcasting Corporation
3. Davis Television Pittsburg, LLC; Davis Television Corpus Christi, LLC; Davis Television Topeka, LLC; and Davis Television Duluth, LLC (collectively Davis Television)
4. Fant Broadcast Development, L.L.C. (Civic License Holding Company, Inc.)
5. Fant Broadcast Development, L.L.C. (Independence Television Company)
6. Milwaukee Area Technical College District Board
7. Oregon Family Broadcasting Association
8. Pappas Telecasting of America (Kentucky Authority for Educational Television)
9. Pappas Telecasting of America (Lee Enterprises)
10. Pappas Telecasting of America (Mountain Lake Public Telecommunications Council)
11. Paxson Communications Corporation
12. Pikes Peak Broadcasting Company
13. South Central Communications Corporation, SWMM/Knoxville Corporation, and Channel

14. 26, Ltd. (collectively South Central Communications Corp.)  
WWAC, Inc.

**APPENDIX B**  
**DTV TABLE OF ALLOTMENTS**

STATE AND CITY	DIGITAL TELEVISION SERVICE						EXISTING NTSC				DTV/ NTSC AREA MATCH (%)
	NTSC CHAN	DTV CHAN	DTV POWER (kW)	ANTENNA HAAT (m)	DURING TRANSITION		CURRENT SERVICE		NEW INTERFERENCE		
					AREA (Sq km)	PEOPLE (thous)	AREA (Sq km)	PEOPLE (thous)	AREA (% NL Area)	PEOPLE (% NL Pop)	
AK ANCHORAGE	2	18	1000.0	219.0	23462	265	28907	265	0.0	0.0	81.2
AK ANCHORAGE	4	20	234.4	55.0	10968	256	10912	256	0.0	0.0	100.0
AK ANCHORAGE	5	22	1000.0	250.0	25716	265	30730	266	0.0	0.0	83.7
AK ANCHORAGE	7	24	1000.0	240.0	24954	265	26028	265	0.0	0.0	95.9
AK ANCHORAGE	9	26	1000.0	212.0	23059	267	24726	268	0.0	0.0	93.3
AK ANCHORAGE	11	28	50.0	91.0	10708	251	10259	250	0.0	0.0	100.0
AK ANCHORAGE	13	30	1000.0	238.0	24829	265	25978	265	0.0	0.0	95.6
AK ANCHORAGE	33	32	50.0	33.0	6438	233	1175	212	18.7	5.3	100.0
AK BETHEL	4	3	1.0	61.0	9999	8	5629	7	0.0	0.0	100.0
AK DILLINGHAM	2	9	39.8	305.0	33890	4	33677	4	0.0	0.0	100.0
AK FAIRBANKS	2	18	60.3	33.0	6744	77	6670	77	0.0	0.0	100.0
AK FAIRBANKS	7	22	50.0	33.0	6523	77	2167	70	0.0	0.0	100.0
AK FAIRBANKS	9	24	79.4	152.0	13637	78	13637	78	0.0	0.0	100.0
AK FAIRBANKS	11	26	50.0	33.0	6524	77	4966	76	0.0	0.0	100.0
AK FAIRBANKS	13	28	50.0	33.0	6524	77	4966	76	0.0	0.0	100.0
AK JUNEAU	3	6	1.0	33.0	6622	27	2155	27	0.0	0.0	100.0
AK JUNEAU	8	11	3.2	33.0	6793	27	771	25	0.0	0.0	100.0
AK KETCHIKAN	4	13	3.2	174.0	18251	17	6873	15	0.0	0.0	100.0
AK KETCHIKAN	9	8	3.3	305.0	22274	17	22184	17	0.0	0.0	100.0
AK NORTH POLE	4	20	213.8	485.0	30801	79	30801	79	0.0	0.0	100.0
AK SITKA	13	2	1.0	33.0	6622	9	1132	8	0.0	0.0	100.0
AL ANNISTON	40	58	264.5	350.0	20802	1137	17127	616	0.2	0.0	98.0
AL BESSEMER	17	18	186.0	675.0	32102	1304	28690	1131	2.5	0.5	99.7
AL BIRMINGHAM	6	50	1000.0	420.0	35806	1598	34251	1547	0.0	0.0	96.5
AL BIRMINGHAM	10	53	1000.0	404.0	31917	1522	28399	1428	2.0	2.2	99.5
AL BIRMINGHAM	13	52	1000.0	408.0	32879	1564	29111	1465	0.0	0.0	99.5
AL BIRMINGHAM	42	30	166.3	421.0	26176	1333	23781	1253	0.4	0.4	100.0
AL BIRMINGHAM	68	36	50.0	314.0	14489	1012	13255	977	0.0	0.0	100.0
AL DEMOPOLIS	41	19	50.0	333.0	15093	121	15040	121	1.6	1.6	99.9
AL DOTHAN	4	36	1000.0	573.0	48846	788	44475	765	0.0	0.0	99.8
AL DOTHAN	18	21	50.0	223.0	13968	291	13879	291	2.2	0.8	100.0
AL DOZIER	2	59	1000.0	210.0	25630	463	21786	298	0.0	0.0	98.2
AL FLORENCE	15	14	50.0	223.0	12681	283	12862	285	2.5	5.0	98.5
AL FLORENCE	26	20	50.0	230.0	12018	258	10994	240	1.8	1.1	100.0
AL FLORENCE	36	22	50.0	221.0	12324	261	12098	259	8.8	3.9	100.0
AL GADSDEN	44	45	50.0	303.0	12167	595	11830	523	1.8	1.4	99.2
AL GADSDEN	60	26	86.9	352.0	14274	1147	13949	1129	2.9	6.4	99.4
AL HOMEWOOD	21	28	280.4	409.0	27594	1394	26602	1316	0.7	0.8	98.8
AL HUNTSVILLE	19	59	89.0	533.0	24418	879	23489	857	0.7	0.6	99.6

STATE AND CITY	NTSC CHAN	DTV CHAN	DTV POWER (kW)	ANTENNA HAAT (m)	DIGITAL TELEVISION SERVICE		EXISTING NTSC				DTV/NTSC AREA MATCH (%)
					DURING TRANSITION		CURRENT SERVICE		NEW INTERFERENCE		
					AREA (Sq km)	PEOPLE (thous)	AREA (Sq km)	PEOPLE (thous)	AREA (% NL Area)	PEOPLE (% NL Pop)	
AL HUNTSVILLE	25	24	50.0	352.0	18210	723	17357	706	0.3	0.1	100.0
AL HUNTSVILLE	31	32	50.0	546.0	22888	845	21705	810	1.8	1.6	100.0
AL HUNTSVILLE	48	49	50.0	579.0	22033	816	21115	792	0.6	0.3	99.4
AL HUNTSVILLE	54	41	53.4	515.0	18686	714	18097	704	0.9	0.5	100.0
AL LOUISVILLE	43	44	168.8	275.0	14457	267	14481	267	1.0	0.8	99.8
AL MOBILE	5	27	1000.0	581.0	49332	1311	49268	1310	0.0	0.0	99.6
AL MOBILE	10	9	16.5	381.0	31418	1008	30422	998	0.0	0.0	99.9
AL MOBILE	15	47	494.6	521.0	25702	1024	25722	1039	1.7	1.0	99.6
AL MOBILE	21	20	198.9	436.0	21838	950	21326	882	0.3	0.1	100.0
AL MOBILE	42	41	50.0	183.0	11664	544	11453	533	1.3	0.5	100.0
AL MONTGOMERY	12	57	1000.0	610.0	43525	908	41216	868	0.0	0.0	99.9
AL MONTGOMERY	20	16	50.0	226.0	12730	369	12234	365	0.5	0.2	100.0
AL MONTGOMERY	26	14	50.0	183.0	12881	376	12595	372	4.0	2.9	100.0
AL MONTGOMERY	32	51	284.8	545.0	28418	538	28011	535	3.2	2.1	99.8
AL MONTGOMERY	45	46	50.0	308.0	11831	366	11666	365	1.9	1.1	100.0
AL MOUNT CHEAHA	7	56	1000.0	610.0	41663	2006	38089	1739	0.3	0.1	99.6
AL OPELIKA	66	31	50.0	207.0	10492	469	9990	460	0.0	0.0	100.0
AL OZARK	34	33	50.0	142.0	8785	229	8749	228	0.7	0.1	100.0
AL SELMA	8	55	1000.0	515.0	38823	665	34978	632	0.0	0.0	100.0
AL TROY	67	48	50.0	592.0	17954	430	17658	427	0.2	0.0	99.4
AL TUSCALOOSA	33	34	198.4	662.0	34878	1329	33354	1300	0.7	0.9	96.4
AL TUSKEGEE	22	24	104.6	325.0	17791	473	17643	464	3.6	1.5	99.4
AR ARKADELPHIA	9	46	937.1	326.0	26260	329	24331	322	0.0	0.0	93.2
AR EL DORADO	10	27	733.8	605.0	43667	630	31478	508	0.0	0.0	98.3
AR FAYETTEVILLE	13	45	1000.0	506.0	35965	706	31152	624	0.0	0.0	99.6
AR FAYETTEVILLE	29	15	50.0	270.0	14581	299	13571	286	0.6	0.3	99.7
AR FORT SMITH	5	18	1000.0	384.0	32049	616	28831	536	0.0	0.0	98.2
AR FORT SMITH	24	27	96.5	317.0	14461	398	14779	410	0.7	0.3	96.3
AR FORT SMITH	40	21	77.8	610.0	21389	310	19262	290	1.0	1.4	100.0
AR HOT SPRINGS	26	14	50.0	258.0	13296	205	12577	180	1.0	0.3	100.0
AR JONESBORO	8	9	3.2	533.0	35028	507	36662	630	0.0	0.0	92.9
AR JONESBORO	19	20	50.0	311.0	17554	246	17453	245	0.1	0.0	100.0
AR JONESBORO	48	49	57.2	305.0	17180	256	17128	255	0.0	0.0	100.0
AR LITTLE ROCK	2	47	1000.0	543.0	42551	971	39045	963	0.0	0.0	92.4
AR LITTLE ROCK	4	32	1000.0	503.0	43063	1003	40761	981	0.0	0.0	99.1
AR LITTLE ROCK	7	22	649.7	591.0	42855	976	39421	949	0.0	0.0	100.0
AR LITTLE ROCK	11	12	21.5	521.0	37672	950	34630	919	0.0	0.0	100.0
AR LITTLE ROCK	16	30	346.5	539.0	28913	892	28841	887	0.8	0.3	98.8

STATE AND CITY	DIGITAL TELEVISION SERVICE						EXISTING NTSC				DTV/ NTSC AREA MATCH (%)
	NTSC CHAN	DTV CHAN	DTV POWER (kW)	ANTENNA HAAT (m)	DURING TRANSITION		CURRENT SERVICE		NEW INTERFERENCE		
					AREA (Sq km)	PEOPLE (thous)	AREA (Sq km)	PEOPLE (thous)	AREA (% NL Area)	PEOPLE (% NL Pop)	
AR LITTLE ROCK	42	43	139.7	156.0	14218	604	14165	604	0.0	0.0	99.8
AR MOUNTAIN VIEW	6	35	1000.0	424.0	37995	518	31053	357	0.0	0.0	99.3
AR NEWARK	17	27	50.0	162.0	4239	57	4049	55	1.0	0.9	100.0
AR PINE BLUFF	25	24	131.3	182.0	11636	584	11390	582	2.4	1.0	99.9
AR PINE BLUFF	38	39	206.5	593.0	25660	804	24909	792	0.8	0.5	100.0
AR ROGERS	51	50	50.0	143.0	6500	228	6004	221	0.0	0.0	100.0
AR SPRINGDALE	57	39	50.0	117.0	5681	223	5089	216	0.5	0.1	100.0
AZ FLAGSTAFF	2	22	1000.0	488.0	37453	172	40817	196	1.7	0.1	91.5
AZ FLAGSTAFF	4	18	726.0	487.0	33861	166	30625	158	0.0	0.0	97.9
AZ FLAGSTAFF	9	32	50.0	594.0	9414	63	8146	63	0.0	0.0	100.0
AZ FLAGSTAFF	13	27	655.0	474.0	30058	150	27363	133	0.0	0.0	100.0
AZ GREEN VALLEY	46	47	72.0	1095.0	25960	632	23982	614	0.0	0.0	100.0
AZ KINGMAN	6	19	1000.0	585.0	32207	118	37735	114	0.0	0.0	81.7
AZ LAKE HAVASU CIT	34	32	50.0	817.0	13724	81	12442	74	0.0	0.0	100.0
AZ MESA	12	36	843.9	543.0	32650	2225	30934	2221	0.0	0.0	99.4
AZ PHOENIX	3	24	1000.0	542.0	36538	2229	39938	2234	0.0	0.0	90.3
AZ PHOENIX	5	17	1000.0	539.0	37709	2230	39498	2234	0.0	0.0	93.5
AZ PHOENIX	8	29	729.8	536.0	32860	2225	31649	2223	0.0	0.0	99.4
AZ PHOENIX	10	31	778.6	558.0	33054	2225	31705	2216	0.0	0.0	98.6
AZ PHOENIX	15	56	75.2	521.0	19790	2207	19733	2207	0.0	0.0	99.8
AZ PHOENIX	21	20	50.0	489.0	20113	2209	18889	2200	0.0	0.0	100.0
AZ PHOENIX	33	34	80.3	521.0	18050	2198	17534	2195	1.0	0.9	99.4
AZ PHOENIX	45	26	64.0	545.0	22850	2210	20831	2202	0.0	0.0	99.6
AZ PHOENIX	61	49	61.4	541.0	18332	2205	17585	2192	0.0	0.0	100.0
AZ PRESCOTT	7	25	50.0	856.0	18123	164	16868	137	0.2	0.0	98.7
AZ SIERRA VISTA	58	44	148.2	331.0	13360	683	12715	678	0.0	0.0	100.0
AZ TOLLESON	51	52	203.8	533.0	24651	2219	23153	2208	0.0	0.0	100.0
AZ TUCSON	4	23	405.3	1100.0	40396	723	45568	806	0.0	0.0	84.5
AZ TUCSON	6	30	486.1	1106.0	39397	710	39559	741	0.0	0.0	89.7
AZ TUCSON	9	35	233.2	1134.0	33741	686	33524	702	0.0	0.0	97.0
AZ TUCSON	11	25	666.3	507.0	20409	680	23904	685	0.0	0.0	54.6
AZ TUCSON	13	32	783.4	622.0	31165	749	26425	729	0.0	0.0	100.0
AZ TUCSON	18	19	103.2	600.0	19942	704	17894	699	1.6	0.1	100.0
AZ TUCSON	27	28	50.0	175.0	3633	629	3028	618	0.6	0.1	100.0
AZ TUCSON	40	42	50.0	619.0	15188	673	13979	672	0.2	0.0	100.0
AZ YUMA	11	41	962.3	493.0	34473	233	33353	232	0.0	0.0	99.9
AZ YUMA	13	16	509.7	475.0	28059	231	26438	229	0.0	0.0	100.0
CA ANAHEIM	56	32	75.1	728.0	19805	11348	19520	11398	0.8	0.4	97.5

STATE AND CITY	DIGITAL TELEVISION SERVICE						EXISTING NTSC				DTV/ NTSC AREA MATCH (%)
	NTSC CHAN	DTV CHAN	DTV POWER (kW)	ANTENNA HAAT (m)	DURING TRANSITION		CURRENT SERVICE		NEW INTERFERENCE		
					AREA (Sq km)	PEOPLE (thous)	AREA (Sq km)	PEOPLE (thous)	AREA (% NL Area)	PEOPLE (% NL Pop)	
CA ARCATA	23	22	50.0	510.0	12225	112	11147	99	0.1	0.0	100.0
CA BAKERSFIELD	17	25	285.1	427.0	17512	545	17028	507	0.0	0.0	100.0
CA BAKERSFIELD	23	10	4.6	1128.0	22757	671	20817	611	1.0	0.0	99.9
CA BAKERSFIELD	29	33	70.1	1137.0	15846	538	15051	472	0.0	0.0	100.0
CA BAKERSFIELD	45	55	245.8	404.0	16271	562	15924	517	0.0	0.5	100.0
CA BARSTOW	64	44	70.2	518.0	14984	626	14214	623	0.0	0.0	99.5
CA CALIPATRIA	54	50	185.2	507.0	21324	226	20704	226	0.0	0.0	100.0
CA CERES	23	15	50.0	47.0	1623	359	1623	359	3.2	2.3	100.0
CA CHICO	12	43	1000.0	396.0	28773	570	28649	562	0.5	0.6	99.1
CA CHICO	24	36	306.0	564.0	21868	357	21703	355	1.0	5.3	99.8
CA CLOVIS	43	44	201.0	671.0	24994	1163	24310	1150	6.5	1.3	99.9
CA CONCORD	42	63	61.0	856.0	26590	6581	25956	6208	1.1	3.0	99.5
CA CORONA	52	39	63.5	896.0	16781	12071	17469	12070	8.1	9.1	94.9
CA COTATI	22	23	50.0	620.0	10421	1149	8985	1054	0.7	0.2	99.5
CA EL CENTRO	7	22	611.2	389.0	22604	181	21793	181	0.2	0.0	99.8
CA EL CENTRO	9	48	997.9	488.0	26945	229	26621	229	0.0	0.0	99.5
CA EUREKA	3	16	1000.0	503.0	31134	134	35054	139	0.0	0.0	88.8
CA EUREKA	6	17	1000.0	530.0	38962	139	41892	143	0.0	0.0	92.8
CA EUREKA	13	11	14.2	515.0	30342	121	28654	120	0.0	0.0	100.0
CA EUREKA	29	28	50.0	334.0	6416	92	5885	88	0.1	0.0	100.0
CA FORT BRAGG	8	15	371.2	746.0	27303	114	26639	96	0.0	0.0	99.6
CA FRESNO	18	40	87.0	677.0	22864	1125	22598	1117	1.3	0.7	99.6
CA FRESNO	24	16	50.6	716.0	23275	1126	22381	1109	0.4	0.0	100.0
CA FRESNO	30	9	8.7	622.0	20834	1140	19684	1130	2.3	0.6	99.7
CA FRESNO	47	14	50.2	597.0	19355	1089	17869	1057	0.4	0.0	99.9
CA FRESNO	53	7	3.2	581.0	17074	1090	16227	1075	1.3	0.2	99.9
CA HANFORD	21	20	279.0	605.0	25523	1225	24849	1208	2.7	0.3	99.8
CA HUNTINGTON BEAC	50	48	174.7	330.0	9907	9025	9534	8947	0.3	0.0	98.5
CA LONG BEACH	18	61	413.6	725.0	23074	11391	23623	11875	11.9	1.6	96.9
CA LOS ANGELES	2	60	865.9	1107.0	39414	13330	48050	14289	0.4	0.0	80.0
CA LOS ANGELES	4	36	711.4	984.0	41111	13829	46739	14262	0.0	0.0	84.4
CA LOS ANGELES	5	31	661.0	976.0	40390	13494	47300	14401	0.0	0.0	85.4
CA LOS ANGELES	7	53	455.6	978.0	31810	13156	34407	13555	0.1	0.0	92.1
CA LOS ANGELES	9	43	357.5	970.0	23370	12755	24577	12876	0.1	0.0	93.7
CA LOS ANGELES	11	65	688.7	896.0	32730	13229	34448	13536	0.0	0.0	93.4
CA LOS ANGELES	13	66	679.7	899.0	31938	12964	33784	13490	0.0	0.0	94.1
CA LOS ANGELES	22	42	172.8	889.0	16223	11481	17628	12151	0.4	0.7	91.0
CA LOS ANGELES	28	59	190.3	927.0	25044	12593	24863	12621	1.0	0.8	98.2
CA LOS ANGELES	34	35	73.5	896.0	21708	12379	21279	12427	0.6	1.0	98.3

STATE AND CITY	NTSC CHAN	DTV CHAN	DTV POWER (kW)	ANTENNA HAAT (m)	DIGITAL TELEVISION SERVICE		EXISTING NTSC				DTV/ NTSC AREA MATCH (%)
					DURING TRANSITION		CURRENT SERVICE		NEW INTERFERENCE		
					AREA (Sq km)	PEOPLE (thous)	AREA (Sq km)	PEOPLE (thous)	AREA (% NL Area)	PEOPLE (% NL Pop)	
CA LOS ANGELES	58	41	58.2	875.0	21457	12504	20290	12096	0.2	0.5	99.6
CA MERCED	51	38	135.2	680.0	21599	1284	20953	1275	0.1	0.0	99.8
CA MODESTO	19	18	248.8	573.0	26528	2689	26692	2748	4.1	1.4	98.1
CA MONTEREY	46	32	50.0	771.0	15633	692	15629	705	0.3	0.2	97.7
CA MONTEREY	67	31	50.0	701.0	13402	790	12867	716	0.0	0.0	99.0
CA NOVATO	68	47	129.7	431.0	20011	4106	18713	3674	0.1	0.0	98.3
CA OAKLAND	2	56	1000.0	479.0	33796	5784	36057	5970	0.0	0.0	92.2
CA ONTARIO	46	47	73.0	927.0	17967	12177	17391	11983	0.2	0.4	100.0
CA OXNARD	63	24	50.0	549.0	11667	1513	10943	1280	0.2	0.6	99.6
CA PALM SPRINGS	36	46	50.0	207.0	5970	255	5890	259	1.1	1.4	99.3
CA PALM SPRINGS	42	52	67.3	1087.0	14000	823	14077	927	4.5	8.3	96.9
CA PARADISE	30	20	71.4	440.0	17593	370	17246	364	0.9	1.2	99.7
CA PORTERVILLE	61	48	77.8	811.0	21854	1330	21494	1278	0.1	0.0	100.0
CA RANCHO PALOS VE	44	51	235.0	451.0	13238	7851	16382	7109	0.0	0.0	79.0
CA REDDING	7	14	166.2	1103.0	35522	327	35198	321	0.0	0.0	99.3
CA REDDING	9	18	183.8	1097.0	35070	322	34666	319	0.0	0.0	99.0
CA RIVERSIDE	62	68	180.1	723.0	17271	11672	16882	11441	0.5	1.8	100.0
CA SACRAMENTO	3	35	1000.0	591.0	40861	4499	41289	4261	0.0	0.0	94.6
CA SACRAMENTO	6	53	1000.0	567.0	37635	4317	37776	4081	0.0	0.0	94.0
CA SACRAMENTO	10	61	1000.0	595.0	35465	4022	35298	4047	0.5	0.2	97.7
CA SACRAMENTO	29	48	270.4	321.0	12538	1562	13056	1575	12.6	4.5	96.0
CA SACRAMENTO	31	21	181.2	558.0	25170	3537	25170	3554	0.6	0.1	95.5
CA SACRAMENTO	40	55	275.9	597.0	24683	3582	24651	3387	1.2	0.5	98.5
CA SALINAS	8	43	448.5	896.0	28177	4679	26635	2944	0.0	0.0	91.8
CA SALINAS	35	13	3.2	735.0	17120	765	16367	760	0.6	0.0	99.5
CA SAN BERNARDINO	24	26	50.0	509.0	14332	8702	12957	5696	2.6	9.9	99.9
CA SAN BERNARDINO	30	38	210.0	715.0	16989	11222	16905	11248	8.2	3.7	98.4
CA SAN DIEGO	8	55	1000.0	226.0	24010	2704	23545	2660	0.0	0.0	98.9
CA SAN DIEGO	10	25	809.1	229.0	20867	2694	20089	2655	0.0	0.0	100.0
CA SAN DIEGO	15	30	191.7	613.0	22924	2527	23823	2548	0.0	0.0	95.5
CA SAN DIEGO	39	40	93.3	577.0	19553	2458	20018	2314	9.2	0.0	95.5
CA SAN DIEGO	51	18	52.1	579.0	17316	2422	19500	2403	9.5	7.3	86.0
CA SAN DIEGO	69	19	62.9	594.0	20726	2504	19310	2405	0.0	0.0	99.9
CA SAN FRANCISCO	4	57	1000.0	512.0	36097	5941	36969	5930	0.0	0.0	93.1
CA SAN FRANCISCO	5	29	1000.0	506.0	34977	5800	37021	5968	0.0	0.0	94.2
CA SAN FRANCISCO	7	24	621.2	509.0	30529	5503	31509	5866	1.4	1.5	93.7
CA SAN FRANCISCO	9	30	708.6	509.0	32429	5827	29666	5424	0.1	0.0	99.8
CA SAN FRANCISCO	14	51	476.3	701.0	16358	5310	17169	5313	2.0	1.2	94.5
CA SAN FRANCISCO	20	19	147.7	472.0	18054	5343	17673	5268	1.1	1.0	97.6

STATE AND CITY	NTSC CHAN	DTV CHAN	DTV POWER (kW)	ANTENNA HAAT (m)	DIGITAL TELEVISION SERVICE		EXISTING NTSC				DTV/NTSC AREA MATCH (%)
					DURING TRANSITION		CURRENT SERVICE		NEW INTERFERENCE		
					AREA (Sq km)	PEOPLE (thous)	AREA (Sq km)	PEOPLE (thous)	AREA (% NL Area)	PEOPLE (% NL Pop)	
CA SAN FRANCISCO	26	27	95.2	421.0	15665	5173	14492	4950	0.7	1.0	100.0
CA SAN FRANCISCO	32	33	50.0	491.0	15589	5288	13582	4849	8.4	1.5	100.0
CA SAN FRANCISCO	38	39	216.8	440.0	16904	5207	14924	4781	0.7	0.1	100.0
CA SAN FRANCISCO	44	45	206.3	491.0	16415	5223	15218	4859	0.7	0.6	100.0
CA SAN JOSE	11	12	6.2	844.0	31737	5170	29472	4933	0.0	0.0	99.6
CA SAN JOSE	36	52	251.3	686.0	15638	5256	14441	5063	2.0	1.2	95.6
CA SAN JOSE	48	49	194.6	631.0	14403	4923	12982	4803	3.7	3.2	99.8
CA SAN JOSE	54	50	50.0	585.0	7749	4309	7636	4349	7.5	6.3	95.8
CA SAN JOSE	65	41	79.2	812.0	16801	4486	15633	4358	0.0	0.0	100.0
CA SAN LUIS OBISPO	6	15	1000.0	543.0	40194	398	41708	414	0.0	0.0	95.4
CA SAN LUIS OBISPO	33	34	50.0	440.0	6564	272	5665	245	0.0	0.0	100.0
CA SAN MATEO	60	59	107.3	362.0	11787	4746	11176	4612	0.4	0.8	100.0
CA SANGER	59	36	50.0	591.0	14995	761	14043	745	0.0	0.0	100.0
CA SANTA ANA	40	23	50.0	881.0	19085	12468	17952	12273	6.5	1.1	99.7
CA SANTA BARBARA	3	27	698.8	917.0	42096	1166	45650	1276	0.0	0.0	90.2
CA SANTA BARBARA	38	21	67.8	887.0	24246	837	22947	768	4.1	0.6	99.7
CA SANTA MARIA	12	19	188.3	591.0	26039	378	24810	368	0.5	0.1	100.0
CA SANTA ROSA	50	54	50.0	939.0	11196	413	10137	393	2.5	3.7	98.2
CA STOCKTON	13	25	691.8	594.0	36232	4245	35709	4593	2.2	0.7	96.2
CA STOCKTON	58	46	156.4	559.0	21148	3361	21483	3377	2.1	2.6	97.7
CA STOCKTON	64	62	63.5	874.0	26826	6635	25391	5855	0.3	0.0	99.2
CA TWENTYNINE PALM	31	23	50.0	90.0	2529	52	2341	50	0.0	0.0	100.0
CA VALLEJO	66	34	63.9	466.0	13195	5161	11634	3741	0.0	0.0	98.2
CA VENTURA	57	49	169.7	530.0	15057	3256	13570	1584	0.0	0.0	100.0
CA VISALIA	26	28	174.4	792.0	27346	1137	26475	1132	0.2	0.0	100.0
CA VISALIA	49	50	82.3	835.0	20266	1291	19894	1225	0.0	0.0	100.0
CA WATSONVILLE	25	58	50.0	675.0	11608	783	11399	737	0.9	0.1	99.7
CO BOULDER	14	15	99.6	351.0	17345	2086	17309	2095	3.5	0.1	97.9
CO BROOMFIELD	12	38	1000.0	738.0	31261	2162	30560	2153	0.0	0.0	97.8
CO CASTLE ROCK	53	46	128.8	193.0	10925	1687	10375	1663	0.0	0.0	100.0
CO COLORADO SPRING	11	10	20.1	725.0	29934	1040	26513	618	1.0	0.0	99.8
CO COLORADO SPRING	13	24	459.0	652.0	29384	1273	24843	643	0.0	0.0	99.9
CO COLORADO SPRING	21	22	75.1	656.0	18914	559	18277	549	1.2	0.1	99.1
CO DENVER	2	34	1000.0	319.0	28224	2255	31110	2312	0.0	0.0	89.3
CO DENVER	4	35	1000.0	451.0	32693	2295	32149	2340	0.0	0.0	91.2
CO DENVER	6	18	1000.0	292.0	28048	2224	27181	2145	0.0	0.0	95.7
CO DENVER	7	17	1000.0	310.0	25665	2247	24881	2210	0.0	0.0	99.1
CO DENVER	9	16	1000.0	280.0	25576	2250	23510	2210	0.0	0.0	99.4

STATE AND CITY	DIGITAL TELEVISION SERVICE						EXISTING NTSC				DTV/ NTSC AREA MATCH (%)
	NTSC CHAN	DTV CHAN	DTV POWER (kW)	ANTENNA HAAT (m)	DURING TRANSITION		CURRENT SERVICE		NEW INTERFERENCE		
					AREA (Sq km)	PEOPLE (thous)	AREA (Sq km)	PEOPLE (thous)	AREA (% NL Area)	PEOPLE (% NL Pop)	
CO DENVER	20	19	247.9	383.0	19667	2097	18609	2041	2.8	0.5	98.8
CO DENVER	31	32	233.2	317.0	17119	2051	16663	2047	0.5	0.1	100.0
CO DENVER	41	40	74.8	344.0	12086	1889	11934	1873	0.6	0.1	100.0
CO DENVER	50	51	81.7	233.0	12111	1876	11694	1870	0.0	0.0	100.0
CO DENVER	59	43	144.8	356.0	17315	2049	16527	2045	0.0	0.0	99.8
CO DURANGO	6	15	50.0	110.0	8515	63	9280	62	0.0	0.0	91.0
CO FORT COLLINS	22	21	50.0	256.0	13966	426	13878	431	0.4	0.0	99.5
CO GLENWOOD SPRING	3	23	879.2	771.0	26314	77	31163	85	0.1	0.5	82.1
CO GRAND JUNCTION	4	15	71.5	422.0	12688	103	13808	106	0.0	0.0	88.5
CO GRAND JUNCTION	5	2	1.0	33.0	7035	92	6692	92	0.0	0.0	100.0
CO GRAND JUNCTION	8	7	9.7	829.0	31861	143	26289	113	0.4	0.0	100.0
CO GRAND JUNCTION	11	12	10.8	429.0	21026	111	19309	103	0.0	0.0	100.0
CO GRAND JUNCTION	18	17	50.0	883.0	13770	96	12748	95	0.0	0.0	100.0
CO LONGMONT	25	29	234.1	325.0	17790	2148	17770	2144	0.2	0.1	99.4
CO MONTROSE	10	13	3.2	33.0	4659	33	4430	33	0.0	0.0	100.0
CO PUEBLO	5	42	1000.0	396.0	30740	588	31495	580	0.4	0.0	92.6
CO PUEBLO	8	26	364.3	727.0	29914	851	26336	621	0.0	0.0	99.6
CO STEAMBOAT SPRIN	24	10	3.2	157.0	1891	12	1499	11	0.0	0.0	100.0
CO STERLING	3	23	1000.0	232.0	25691	70	22797	62	0.0	0.0	99.9
CT BRIDGEPORT	43	42	50.0	156.0	9545	2622	9689	2664	2.1	2.8	97.3
CT BRIDGEPORT	49	52	50.0	222.0	10021	3223	9688	3156	6.3	10.2	98.8
CT HARTFORD	3	33	1000.0	276.0	21991	3476	24532	3877	0.0	0.0	85.9
CT HARTFORD	18	46	219.5	299.0	17043	3203	17368	3157	6.3	6.3	90.1
CT HARTFORD	24	32	50.0	262.0	13076	2852	11674	2651	11.3	11.0	98.6
CT HARTFORD	61	5	1.0	515.0	22582	3667	23105	3792	7.9	10.7	86.5
CT NEW BRITAIN	30	35	134.0	451.0	22623	3872	22140	3765	17.5	13.2	96.1
CT NEW HAVEN	8	10	8.6	363.0	22646	5353	23122	4690	3.7	2.4	90.0
CT NEW HAVEN	59	6	1.0	314.0	16594	4189	18681	4424	2.3	0.9	85.9
CT NEW HAVEN	65	39	50.0	82.0	1425	546	1369	530	0.0	0.0	100.0
CT NEW LONDON	26	34	116.7	381.0	16634	2417	15227	1723	0.6	1.6	99.4
CT NORWICH	53	45	50.0	207.0	9654	839	9558	838	2.8	4.5	97.5
CT WATERBURY	20	12	3.2	366.0	18905	4400	18645	4039	8.1	4.6	92.9
DC WASHINGTON	4	48	1000.0	237.0	26989	6541	24745	6454	6.6	3.0	98.9
DC WASHINGTON	5	36	1000.0	235.0	26351	6530	26711	6533	0.0	0.0	95.9
DC WASHINGTON	7	39	1000.0	235.0	23331	6004	23215	6365	0.0	0.0	95.4
DC WASHINGTON	9	34	1000.0	235.0	24624	6440	22883	6299	0.0	0.0	100.0
DC WASHINGTON	20	35	231.6	235.0	17347	6010	17179	5746	0.1	0.0	96.0
DC WASHINGTON	26	27	67.2	233.0	15070	5823	15606	5637	13.3	4.1	94.9
DC WASHINGTON	32	33	194.3	213.0	13878	5588	14310	5777	10.0	2.3	93.5

STATE AND CITY	DIGITAL TELEVISION SERVICE						EXISTING NTSC				DTV/ NTSC AREA MATCH (%)
	NTSC CHAN	DTV CHAN	DTV POWER (kW)	ANTENNA HAAT (m)	DURING TRANSITION		CURRENT SERVICE		NEW INTERFERENCE		
					AREA (Sq km)	PEOPLE (thous)	AREA (Sq km)	PEOPLE (thous)	AREA (% NL Area)	PEOPLE (% NL Pop)	
DC WASHINGTON	50	51	65.0	247.0	14147	5160	14207	5376	0.1	0.0	97.7
DE SEAFORD	64	44	50.0	195.0	4202	154	4202	154	3.2	2.9	100.0
DE WILMINGTON	12	55	1000.0	294.0	23176	7443	20136	6742	0.0	0.0	99.8
DE WILMINGTON	61	31	50.0	292.0	16054	5337	15401	5324	5.3	6.5	97.1
FL BOCA RATON	63	44	61.7	310.0	13892	3705	13892	3705	0.0	0.0	100.0
FL BRADENTON	66	42	50.0	465.0	18294	2380	18282	2379	0.0	0.0	100.0
FL CAPE CORAL	36	35	216.1	450.0	24093	879	23907	870	0.0	0.0	100.0
FL CLEARWATER	22	21	232.4	433.0	21082	2536	21082	2536	9.1	5.2	100.0
FL CLERMONT	18	17	240.6	458.0	28579	2143	28566	2101	0.0	0.0	99.4
FL COCOA	52	51	154.7	285.0	14214	1507	14142	1510	0.0	0.0	99.7
FL COCOA	68	30	50.0	287.0	13459	1043	13446	1039	0.0	0.0	100.0
FL DAYTONA BEACH	2	11	47.2	503.0	44133	2602	41617	2380	0.0	0.0	99.7
FL DAYTONA BEACH	26	49	145.7	304.0	16535	1271	13794	830	0.0	0.0	100.0
FL FORT LAUDERDALE	51	52	151.7	262.0	13422	3627	13422	3627	0.0	0.0	100.0
FL FORT MYERS	11	53	1000.0	451.0	36265	1082	34767	1033	7.0	5.4	99.6
FL FORT MYERS	20	15	215.4	451.0	24348	847	24348	847	0.1	0.0	100.0
FL FORT MYERS	30	31	50.0	293.0	16321	651	16188	651	6.5	4.2	100.0
FL FORT PIERCE	21	38	117.7	147.0	11558	446	11088	436	0.0	0.0	100.0
FL FORT PIERCE	34	50	301.7	454.0	24332	1376	23318	1068	0.0	0.0	100.0
FL FORT WALTON BEA	35	25	50.0	60.0	4682	155	4678	155	2.1	0.6	100.0
FL FORT WALTON BEA	53	40	56.2	219.0	12566	488	12574	488	0.0	0.0	99.9
FL FORT WALTON BEA	58	49	50.0	59.0	1170	106	1170	106	0.0	0.0	100.0
FL GAINESVILLE	5	36	1000.0	262.0	31845	1206	31333	1154	0.0	0.0	100.0
FL GAINESVILLE	20	16	91.0	287.0	16217	546	16225	547	0.5	0.1	100.0
FL HIGH SPRINGS	53	28	103.9	278.0	13464	443	13293	416	0.0	0.0	99.9
FL HOLLYWOOD	69	47	97.4	264.0	13806	3583	13806	3583	0.0	0.0	100.0
FL JACKSONVILLE	4	42	1000.0	293.0	33336	1218	31927	1179	0.0	0.0	100.0
FL JACKSONVILLE	7	38	1000.0	277.0	27783	1087	26495	1082	3.7	1.8	100.0
FL JACKSONVILLE	12	13	14.6	296.0	27737	1084	27930	1091	3.9	2.2	98.4
FL JACKSONVILLE	17	34	300.6	304.0	21158	1047	20982	1045	6.3	1.9	100.0
FL JACKSONVILLE	30	32	96.5	302.0	16097	1004	16097	1004	0.0	0.0	100.0
FL JACKSONVILLE	47	19	102.8	299.0	18851	1019	18851	1019	0.0	0.1	100.0
FL JACKSONVILLE	59	44	64.2	289.0	14310	967	14310	967	0.0	0.0	100.0
FL KEY WEST	8	12	3.2	33.0	1460	34	1460	34	0.0	0.0	100.0
FL KEY WEST	22	3	1.0	62.0	1741	33	1741	33	0.0	0.0	100.0
FL LAKE WORTH	67	36	50.0	60.0	3822	717	3822	717	0.0	0.0	100.0
FL LAKE LAND	32	19	145.7	331.0	17465	2429	17465	2429	0.0	0.0	100.0
FL LEESBURG	45	46	133.0	138.0	11551	1425	10900	1419	0.0	0.0	100.0

STATE AND CITY	NTSC CHAN	DTV CHAN	DTV POWER (kW)	ANTENNA HAAT (m)	DIGITAL TELEVISION SERVICE		EXISTING NTSC				DTV/ NTSC AREA MATCH (%)
					DURING TRANSITION		CURRENT SERVICE		NEW INTERFERENCE		
					AREA (Sq km)	PEOPLE (thous)	AREA (Sq km)	PEOPLE (thous)	AREA (% NL Area)	PEOPLE (% NL Pop)	
FL LEESBURG	55	40	149.1	515.0	22927	1953	22638	1965	0.1	0.0	98.7
FL LIVE OAK	57	48	50.0	137.0	8563	161	8563	161	0.0	0.0	100.0
FL MELBOURNE	43	20	90.3	299.0	14936	1541	14876	1539	0.0	0.0	100.0
FL MELBOURNE	56	48	170.8	472.0	27441	2120	24824	1902	0.9	1.7	99.1
FL MIAMI	2	18	1000.0	283.0	32748	3999	31340	3901	0.0	0.0	100.0
FL MIAMI	4	22	1000.0	304.0	33960	4013	33960	4013	0.0	0.0	100.0
FL MIAMI	6	30	1000.0	549.0	47149	3619	43965	2793	0.0	0.0	98.9
FL MIAMI	7	8	14.3	293.0	28109	3947	28109	3947	0.1	0.0	100.0
FL MIAMI	10	9	14.8	305.0	28742	3954	28730	3954	0.0	0.0	100.0
FL MIAMI	17	20	113.3	309.0	16727	3755	16727	3755	0.0	0.0	100.0
FL MIAMI	23	24	192.6	297.0	15913	3794	15913	3794	0.0	0.0	100.0
FL MIAMI	33	32	201.3	280.0	17636	3748	17259	3598	0.0	0.0	100.0
FL MIAMI	35	26	66.2	102.0	8033	2890	7442	2300	0.0	0.0	99.6
FL MIAMI	39	19	123.1	276.0	14200	3712	14982	3725	0.0	0.0	94.8
FL MIAMI	45	46	73.1	308.0	12757	3710	12757	3710	0.0	0.0	100.0
FL NAPLES	26	41	283.7	368.0	19538	625	19530	625	0.0	0.0	100.0
FL NAPLES	46	45	94.3	309.0	14551	548	14551	548	0.0	0.0	100.0
FL NEW SMYRNA BEAC	15	33	50.0	176.0	10158	659	10158	659	0.8	5.2	100.0
FL OCALA	51	31	50.0	280.0	14383	592	14383	592	0.6	0.4	100.0
FL ORANGE PARK	25	10	3.2	151.0	9390	960	8960	953	0.0	0.0	100.0
FL ORLANDO	6	58	1000.0	445.0	40976	2471	36463	2429	0.0	0.0	98.3
FL ORLANDO	9	39	839.9	479.0	38033	2482	35179	2183	0.1	0.0	98.3
FL ORLANDO	24	23	50.0	381.0	20679	1954	20591	1953	8.8	5.1	100.0
FL ORLANDO	27	14	171.3	550.0	35564	3673	29084	3043	0.0	0.0	100.0
FL ORLANDO	35	22	67.5	451.0	20573	1953	20939	1971	0.0	0.0	98.0
FL ORLANDO	65	41	123.1	465.0	21706	2059	21799	2061	0.0	0.0	99.5
FL PALM BEACH	61	49	101.0	125.0	12399	1406	12750	1445	0.0	0.0	97.2
FL PANAMA CITY	7	42	1000.0	265.0	27025	394	26252	371	0.0	0.0	100.0
FL PANAMA CITY	13	19	537.6	437.0	35665	571	33760	511	0.0	0.0	100.0
FL PANAMA CITY	28	29	50.0	228.0	12704	211	12644	210	0.1	0.0	100.0
FL PANAMA CITY	56	38	50.0	155.0	10333	201	10321	198	0.0	0.0	100.0
FL PANAMA CITY BEA	46	47	50.0	59.0	1418	86	1418	86	0.3	0.0	100.0
FL PENSACOLA	3	17	1000.0	372.0	36542	1108	31164	943	0.0	0.0	100.0
FL PENSACOLA	23	31	91.9	149.0	11627	471	11282	465	0.7	3.6	100.0
FL PENSACOLA	33	34	132.8	415.0	18793	868	18561	866	0.0	0.0	100.0
FL PENSACOLA	44	45	122.3	454.0	19008	896	18984	896	0.3	0.0	100.0
FL SARASOTA	40	52	88.9	235.0	13344	1974	12951	1857	0.2	0.2	99.4
FL ST. PETERSBURG	10	24	607.5	458.0	31241	2783	30743	2795	0.0	0.0	99.0

STATE AND CITY	NTSC CHAN	DTV CHAN	DTV POWER (kW)	ANTENNA HAAT (m)	DIGITAL TELEVISION SERVICE		EXISTING NTSC				DTV/ NTSC AREA MATCH (%)
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FL ST. PETERSBURG	38	57	52.6	438.0	20978	2908	21394	2918	2.6	0.7	98.0
FL ST. PETERSBURG	44	59	272.7	454.0	27852	3105	26940	3082	0.0	0.0	100.0
FL TALLAHASSEE	11	32	1000.0	232.0	25777	430	23062	384	0.0	0.0	100.0
FL TALLAHASSEE	27	22	91.4	518.0	29111	609	28079	595	0.4	0.1	100.0
FL TALLAHASSEE	40	2	1.0	268.0	13664	361	13704	362	0.0	0.0	99.6
FL TAMPA	3	54	1000.0	473.0	41755	3671	39567	3244	0.0	0.0	96.1
FL TAMPA	8	7	19.0	471.0	37631	3452	35000	3222	1.4	0.2	99.8
FL TAMPA	13	12	17.8	433.0	34655	3345	35523	3387	6.9	2.0	97.6
FL TAMPA	16	34	73.3	308.0	16910	2770	16934	2772	1.3	0.4	99.9
FL TAMPA	28	29	101.0	471.0	27073	3079	22441	2914	0.0	0.0	100.0
FL TAMPA	50	47	149.3	445.0	25345	3034	23509	2957	1.0	0.3	99.9
FL TEQUESTA	25	16	191.2	453.0	22790	1447	22565	1268	0.0	0.0	100.0
FL TICE	49	33	133.6	312.0	15015	716	14724	714	0.0	0.0	100.0
FL VENICE	62	25	55.5	167.0	10475	664	10354	662	0.0	0.0	99.6
FL WEST PALM BEACH	5	55	1000.0	302.0	33787	4048	30886	2486	0.0	0.0	100.0
FL WEST PALM BEACH	12	13	14.7	299.0	28672	3707	27252	3701	1.0	0.5	100.0
FL WEST PALM BEACH	29	28	225.7	457.0	24721	3869	24681	3850	0.2	1.7	100.0
FL WEST PALM BEACH	42	27	50.0	439.0	19161	2452	19157	2452	0.0	0.0	100.0
GA ALBANY	10	17	611.1	293.0	27571	589	25456	542	1.2	0.4	97.6
GA ALBANY	31	30	50.0	302.0	17242	406	17234	406	0.5	0.5	100.0
GA ATHENS	8	22	600.2	326.0	28979	3373	25822	3264	0.0	0.0	99.9
GA ATHENS	34	48	277.5	440.0	22260	3052	21347	2821	1.2	0.3	99.9
GA ATLANTA	2	39	1000.0	316.0	31734	3513	28857	3391	0.0	0.0	99.0
GA ATLANTA	5	27	1000.0	326.0	32598	3523	31015	3442	0.0	0.0	99.4
GA ATLANTA	11	10	15.7	320.0	26462	3322	25851	3314	0.0	0.0	98.4
GA ATLANTA	17	20	82.5	332.0	20181	3107	18911	3044	2.9	0.4	97.6
GA ATLANTA	30	21	50.0	334.0	15764	2905	16865	2956	2.0	1.0	92.2
GA ATLANTA	36	25	67.1	332.0	19555	3104	18956	3076	5.0	0.7	99.4
GA ATLANTA	46	19	50.0	332.0	18719	3090	18442	3077	0.9	0.1	99.5
GA ATLANTA	57	41	50.0	319.0	9926	2613	9890	2606	3.8	1.0	99.6
GA ATLANTA	69	43	50.0	299.0	15421	2953	15790	2961	0.0	0.0	95.9
GA AUGUSTA	6	42	1000.0	418.0	37310	939	33843	885	0.0	0.0	99.1
GA AUGUSTA	12	31	716.9	485.0	37268	998	32219	921	0.0	0.0	99.7
GA AUGUSTA	26	30	60.4	485.0	24272	667	23574	625	0.0	0.0	98.3
GA AUGUSTA	54	51	65.1	385.0	16955	537	16931	537	0.3	0.1	99.9
GA BAINBRIDGE	49	50	192.8	410.0	22695	493	22683	493	0.1	0.0	100.0
GA BAXLEY	34	35	50.0	147.0	6497	93	6465	93	0.0	0.0	100.0
GA BRUNSWICK	21	24	262.3	600.0	31785	996	31608	951	0.1	0.3	100.0

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GA CHATSWORTH	18	33	331.5	564.0	19455	1485	17109	1056	1.2	2.0	99.3
GA COCHRAN	29	7	4.8	350.0	20633	537	19851	520	0.0	0.0	98.7
GA COLUMBUS	3	15	1000.0	543.0	45960	1149	35466	889	0.0	0.0	99.8
GA COLUMBUS	9	47	985.2	503.0	38776	980	31136	724	0.5	0.1	99.9
GA COLUMBUS	28	23	192.0	461.0	22702	843	22061	833	4.4	4.6	99.6
GA COLUMBUS	38	35	50.0	399.0	20127	589	19841	586	0.2	0.1	100.0
GA COLUMBUS	54	49	50.0	345.0	15376	492	14812	486	0.0	0.0	100.0
GA CORDELE	55	51	50.0	125.0	5069	62	5065	62	0.0	0.0	100.0
GA DALTON	23	16	50.0	447.0	12110	704	10601	655	1.9	1.5	100.0
GA DAWSON	25	26	50.0	329.0	14774	306	14699	304	0.9	2.1	99.9
GA MACON	13	45	1000.0	238.0	25508	671	20877	590	0.0	0.0	100.0
GA MACON	24	16	50.0	244.0	14633	474	14304	467	0.5	1.0	99.9
GA MACON	41	40	50.0	237.0	12902	429	12850	429	1.6	0.5	100.0
GA MACON	64	50	50.0	185.0	2523	254	2466	253	0.0	0.0	100.0
GA MONROE	63	44	119.9	363.0	17274	2962	17752	3051	0.0	0.0	96.3
GA PELHAM	14	20	273.3	378.0	22980	645	22614	638	0.0	0.0	99.9
GA PERRY	58	32	50.0	247.0	13047	432	12959	431	0.0	0.0	100.0
GA ROME	14	51	408.4	616.0	28081	3421	26996	3239	1.0	1.0	100.0
GA SAVANNAH	3	39	1000.0	451.0	41918	738	34691	654	0.0	0.0	100.0
GA SAVANNAH	9	46	958.3	320.0	29284	641	25467	597	0.0	0.0	100.0
GA SAVANNAH	11	15	487.6	445.0	36273	697	34178	673	0.7	0.8	99.8
GA SAVANNAH	22	23	170.3	436.0	25152	549	24027	539	0.2	0.1	100.0
GA THOMASVILLE	6	52	1000.0	619.0	51636	878	45896	839	0.0	0.0	99.8
GA TOCCOA	32	24	50.0	253.0	12060	460	11262	432	0.8	0.8	100.0
GA VALDOSTA	44	43	50.0	277.0	11316	233	11324	233	0.6	0.4	99.9
GA WAYCROSS	8	18	531.9	314.0	28738	370	25186	342	0.0	0.0	98.8
GA WRENS	20	36	325.9	452.0	24569	613	24593	614	4.8	3.3	97.9
HI HILO	2	22	50.0	33.0	6524	67	2155	58	0.0	0.0	100.0
HI HILO	4	19	1000.0	366.0	29712	119	30256	110	0.0	0.0	90.6
HI HILO	9	8	3.2	33.0	6793	69	2391	58	0.0	0.0	100.0
HI HILO	11	21	50.0	33.0	6524	67	4051	65	0.0	0.0	100.0
HI HILO	13	18	50.0	33.0	6523	67	4051	65	0.0	0.0	100.0
HI HILO	14	23	50.0	33.0	6524	67	751	46	0.0	0.0	100.0
HI HILO	32	31	50.0	366.0	20338	83	17557	80	0.6	0.0	100.0
HI HILO	38	39	50.0	366.0	20338	83	17557	80	0.0	0.0	100.0
HI HONOLULU	2	22	1000.0	33.0	9594	797	11517	836	0.0	0.0	83.3
HI HONOLULU	4	40	1000.0	33.0	10686	835	11185	836	0.0	0.0	93.8
HI HONOLULU	5	23	1000.0	629.0	47397	842	52476	842	0.0	0.0	90.3
HI HONOLULU	9	8	7.2	33.0	8305	836	8484	836	0.0	0.0	97.9

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HI HONOLULU	11	18	120.2	33.0	7255	799	7519	836	0.0	0.0	95.4
HI HONOLULU	13	35	549.5	33.0	9761	836	9683	836	0.0	0.0	100.0
HI HONOLULU	14	31	50.0	33.0	6289	802	1898	721	0.0	0.0	100.0
HI HONOLULU	20	19	50.0	622.0	28646	836	20876	836	2.0	6.2	100.0
HI HONOLULU	26	27	50.0	580.0	21625	836	17512	836	0.4	5.1	96.9
HI HONOLULU	32	33	50.0	33.0	5603	826	2501	754	2.6	1.0	100.0
HI HONOLULU	38	39	50.0	580.0	27550	832	17796	836	0.4	6.7	100.0
HI HONOLULU	44	43	50.0	580.0	27550	836	18040	836	0.0	1.3	100.0
HI KAILUA KONA	6	25	812.8	887.0	53971	133	54363	145	0.0	0.0	98.9
HI KANEHOHE	66	41	50.0	632.0	28895	842	14374	837	0.0	0.0	100.0
HI LIHUE	8	12	3.3	305.0	22274	51	22184	51	4.9	0.0	100.0
HI LIHUE	21	7	3.2	305.0	24677	51	17541	51	0.0	0.0	100.0
HI LIHUE	27	28	50.0	366.0	20338	51	17557	51	27.3	0.0	100.0
HI LIHUE	67	45	50.0	366.0	20338	51	17557	51	0.0	0.0	100.0
HI WAILUKU	3	24	72.4	1814.0	53585	120	52313	138	0.0	0.0	97.8
HI WAILUKU	7	36	50.0	1811.0	51943	139	40173	121	0.0	0.0	100.0
HI WAILUKU	10	30	50.0	1811.0	51943	139	40768	121	0.0	0.0	100.0
HI WAILUKU	12	29	50.0	1664.0	51106	138	45250	128	0.0	0.0	100.0
HI WAILUKU	15	16	50.0	1723.0	50272	138	42954	123	0.0	0.0	100.0
HI WAILUKU	21	20	50.0	33.0	6373	90	2364	85	6.3	6.0	100.0
HI WAILUKU	27	28	50.0	366.0	20337	100	17557	100	17.2	5.2	100.0
HI WAILUKU	33	34	50.0	366.0	20338	100	17557	100	6.4	1.2	100.0
IA AMES	5	59	1000.0	564.0	48378	984	40402	884	0.0	0.0	100.0
IA BURLINGTON	26	41	50.0	96.0	3829	91	3821	91	1.1	0.2	100.0
IA CEDAR RAPIDS	2	51	1000.0	442.0	37088	809	34974	779	0.0	0.0	92.9
IA CEDAR RAPIDS	9	52	1000.0	607.0	44258	948	34935	764	0.0	0.0	100.0
IA CEDAR RAPIDS	28	27	226.0	452.0	24320	649	24312	641	0.1	0.0	99.6
IA CEDAR RAPIDS	48	47	83.3	323.0	15823	490	15815	490	0.8	3.4	100.0
IA COUNCIL BLUFFS	32	33	50.0	98.0	6340	642	5791	631	4.2	0.8	100.0
IA DAVENPORT	6	56	1000.0	408.0	36341	1070	32108	941	0.0	0.0	98.3
IA DAVENPORT	18	49	209.7	302.0	17562	629	17166	627	0.1	0.0	100.0
IA DAVENPORT	36	34	50.0	65.0	734	259	734	259	0.5	0.0	100.0
IA DES MOINES	8	31	796.2	591.0	44002	915	34792	837	0.0	0.0	100.0
IA DES MOINES	11	50	1000.0	600.0	43262	904	38472	872	0.0	0.0	98.0
IA DES MOINES	13	19	611.9	600.0	44568	917	37303	855	0.0	0.0	100.0
IA DES MOINES	17	16	126.7	463.0	23435	720	23117	717	0.2	0.0	100.0
IA DES MOINES	63	26	58.1	550.0	20137	674	20089	673	0.0	0.0	100.0
IA DUBUQUE	40	43	50.0	256.0	12330	221	12033	218	2.1	1.0	100.0

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IA FORT DODGE	21	25	50.5	355.0	20624	211	20632	211	0.1	0.1	99.9
IA IOWA CITY	12	45	922.3	439.0	35414	1080	31000	929	0.0	0.0	100.0
IA IOWA CITY	20	25	50.0	123.0	11519	390	11169	371	1.4	0.7	100.0
IA MASON CITY	3	42	1000.0	472.0	42310	734	32426	513	0.0	0.0	99.8
IA MASON CITY	24	18	50.0	436.0	19783	275	19674	275	0.5	0.1	100.0
IA OTTUMWA	15	14	69.1	363.0	19978	338	19746	333	1.3	0.5	100.0
IA RED OAK	36	35	63.1	475.0	20212	748	19928	745	1.9	2.7	100.0
IA SIOUX CITY	4	41	1000.0	585.0	49038	632	38681	499	0.0	0.0	99.8
IA SIOUX CITY	9	30	766.6	616.0	44129	531	38211	463	0.0	0.0	99.4
IA SIOUX CITY	14	39	50.0	351.0	19053	257	19017	256	2.5	1.3	99.9
IA SIOUX CITY	27	28	161.7	326.0	18801	255	19331	262	1.1	1.1	96.1
IA SIOUX CITY	44	49	226.4	610.0	29824	360	29043	352	0.0	0.0	100.0
IA WATERLOO	7	55	1000.0	604.0	42494	922	35926	780	0.0	0.0	99.8
IA WATERLOO	32	35	237.6	579.0	28849	734	28450	698	2.1	2.3	99.5
ID BOISE	2	28	978.1	777.0	45244	393	50231	396	0.0	0.0	90.0
ID BOISE	4	21	724.1	754.0	44481	394	48296	395	0.0	0.0	92.0
ID BOISE	7	26	407.8	808.0	38677	391	38283	390	0.0	0.0	99.4
ID CALDWELL	9	10	14.0	805.0	26995	386	25535	385	0.2	0.0	100.0
ID COEUR D'ALENE	26	45	50.0	465.0	5958	315	4501	184	0.0	0.0	100.0
ID FILER	19	18	50.0	161.0	6675	83	6659	83	0.0	0.0	100.0
ID IDAHO FALLS	3	36	1000.0	488.0	37465	234	40914	237	0.0	0.0	91.3
ID IDAHO FALLS	8	9	21.8	463.0	35031	232	33586	231	0.0	0.0	100.0
ID LEWISTON	3	32	1000.0	384.0	25292	137	28029	141	0.0	0.0	84.3
ID MOSCOW	12	35	804.7	346.0	26273	140	25834	151	1.0	3.2	98.6
ID NAMPA	6	24	822.6	811.0	44997	394	47567	393	0.0	0.0	93.1
ID NAMPA	12	44	525.4	829.0	37704	391	37104	390	0.0	0.0	99.1
ID POCATELLO	6	23	1000.0	466.0	33212	267	34995	265	0.0	0.0	90.4
ID POCATELLO	10	17	189.6	465.0	29785	229	28233	228	0.0	0.0	100.0
ID TWIN FALLS	11	16	578.8	323.0	27977	131	26495	129	0.0	0.0	100.0
ID TWIN FALLS	13	22	50.0	161.0	11305	101	11221	101	0.0	0.0	100.0
ID TWIN FALLS	35	34	50.0	164.0	3197	69	3181	69	0.0	0.0	100.0
IL AURORA	60	59	187.8	494.0	24765	8255	24885	8277	0.1	0.0	99.2
IL BLOOMINGTON	43	28	50.0	293.0	14988	595	14689	563	0.9	0.3	100.0
IL CARBONDALE	8	40	1000.0	268.0	26138	695	21296	537	0.0	0.0	100.0
IL CHAMPAIGN	3	48	1000.0	287.0	32382	894	22935	724	6.8	2.4	99.9
IL CHAMPAIGN	15	41	50.0	396.0	18190	457	17815	451	0.1	0.0	100.0
IL CHARLESTON	51	50	50.0	70.0	2801	71	2801	71	0.0	0.0	100.0
IL CHICAGO	2	3	2.6	418.0	26774	8356	22397	8193	9.5	0.9	96.1
IL CHICAGO	5	29	200.1	494.0	30933	8519	27979	8322	6.2	0.7	98.2

STATE AND CITY	DIGITAL TELEVISION SERVICE						EXISTING NTSC				DTV/ NTSC AREA MATCH (%)
	NTSC CHAN	DTV CHAN	DTV POWER (kW)	ANTENNA HAAT (m)	DURING TRANSITION		CURRENT SERVICE		NEW INTERFERENCE		
					AREA (Sq km)	PEOPLE (thous)	AREA (Sq km)	PEOPLE (thous)	AREA (% NL Area)	PEOPLE (% NL Pop)	
IL CHICAGO	7	52	153.6	515.0	29047	8459	27413	8361	4.8	0.4	100.0
IL CHICAGO	9	19	163.8	415.0	27649	8411	26313	8333	4.5	0.6	99.9
IL CHICAGO	11	47	157.0	497.0	28320	8427	25860	8218	6.3	0.4	99.9
IL CHICAGO	20	21	81.7	378.0	19467	8030	16941	7946	1.8	0.4	99.1
IL CHICAGO	26	27	70.5	472.0	22593	8200	22488	8183	2.0	0.4	99.2
IL CHICAGO	32	31	218.0	430.0	24077	8332	23929	8322	3.4	0.6	99.6
IL CHICAGO	38	43	215.3	381.0	21549	8076	21794	8099	3.9	0.7	98.4
IL CHICAGO	44	45	167.9	433.0	22393	8196	22361	8189	3.1	0.6	99.8
IL DECATUR	17	18	241.7	393.0	23354	845	21829	813	1.3	0.7	99.5
IL DECATUR	23	22	58.1	314.0	14066	648	13731	640	0.0	0.0	100.0
IL EAST ST. LOUIS	46	47	186.6	345.0	19143	2563	19026	2562	0.1	0.0	100.0
IL FREEPORT	23	41	50.0	219.0	12406	710	12128	704	10.3	5.8	100.0
IL HARRISBURG	3	34	1000.0	302.0	34357	759	24621	570	0.0	0.0	100.0
IL JACKSONVILLE	14	15	50.0	94.0	3790	58	3778	58	5.5	5.2	100.0
IL JOLIET	66	53	134.4	393.0	15996	7887	17763	8010	0.0	0.0	90.0
IL LASALLE	35	10	4.2	418.0	18453	1214	17920	772	1.8	7.5	96.4
IL MACOMB	22	21	50.0	149.0	4469	57	4409	56	1.4	1.7	100.0
IL MARION	27	17	61.5	233.0	13712	366	13708	363	2.7	1.0	99.7
IL MOLINE	8	38	836.6	308.0	28284	857	24345	827	0.0	0.0	99.8
IL MOLINE	24	23	50.0	276.0	14161	557	14009	556	0.0	0.0	100.0
IL MOUNT VERNON	13	21	592.3	302.0	28244	707	20594	430	0.0	0.0	100.0
IL OLNEY	16	19	50.0	283.0	16293	258	16405	258	0.1	1.0	98.9
IL PEORIA	19	40	90.1	194.0	14017	570	12447	537	1.8	0.5	99.9
IL PEORIA	25	57	120.2	207.0	15183	573	14420	567	0.3	0.0	99.9
IL PEORIA	31	30	50.0	195.0	12249	549	11981	545	0.3	0.0	100.0
IL PEORIA	47	46	50.0	216.0	12912	553	12880	553	1.6	0.2	100.0
IL PEORIA	59	39	50.0	178.0	6389	406	6393	409	0.4	0.5	99.5
IL QUINCY	10	54	1000.0	238.0	26173	313	23635	294	0.0	0.0	100.0
IL QUINCY	16	32	50.0	302.0	15165	198	15084	197	0.0	0.0	99.8
IL QUINCY	27	34	50.0	173.0	4121	103	4109	102	4.1	1.1	100.0
IL ROCK ISLAND	4	58	1000.0	408.0	37725	1120	31894	1005	0.0	0.0	99.8
IL ROCKFORD	13	54	1000.0	216.0	24061	1472	18731	913	0.0	0.0	100.0
IL ROCKFORD	17	16	196.0	203.0	15163	881	13542	775	1.5	1.0	100.0
IL ROCKFORD	39	42	50.0	176.0	11480	691	11331	686	1.1	0.9	100.0
IL SPRINGFIELD	20	42	75.2	436.0	23636	680	21745	607	0.1	0.0	100.0
IL SPRINGFIELD	49	53	50.0	189.0	5296	228	5296	228	0.0	0.0	100.0
IL SPRINGFIELD	55	44	50.0	439.0	21743	581	21659	581	0.0	0.0	100.0
IL URBANA	12	33	778.3	302.0	28501	970	22557	808	0.0	0.0	100.0
IL URBANA	27	26	88.0	139.0	11120	335	11296	336	3.4	1.0	98.4

STATE AND CITY	NTSC CHAN	DTV CHAN	DTV POWER (kW)	ANTENNA HAAT (m)	DIGITAL TELEVISION SERVICE		EXISTING NTSC				DTV/NTSC AREA MATCH (%)
					DURING TRANSITION		CURRENT SERVICE		NEW INTERFERENCE		
					AREA (Sq km)	PEOPLE (thous)	AREA (Sq km)	PEOPLE (thous)	AREA (% NL Area)	PEOPLE (% NL Pop)	
IN ANGOLA	63	12	3.2	144.0	10301	560	10281	559	0.0	0.0	100.0
IN BLOOMINGTON	4	53	1000.0	357.0	31346	2064	24868	1805	0.2	0.1	99.9
IN BLOOMINGTON	30	14	50.0	216.0	12337	504	12192	503	2.0	0.9	100.0
IN BLOOMINGTON	42	56	236.0	317.0	14996	1559	14261	1516	0.3	0.3	100.0
IN BLOOMINGTON	63	27	50.0	328.0	16403	1563	16250	1555	0.0	0.0	99.9
IN ELKHART	28	58	358.8	335.0	21179	1308	20784	1220	8.2	10.0	99.4
IN EVANSVILLE	7	28	696.1	305.0	28593	796	26079	763	0.0	0.0	100.0
IN EVANSVILLE	9	54	1000.0	177.0	22441	717	17469	617	0.5	0.1	100.0
IN EVANSVILLE	14	46	150.5	311.0	16742	572	17035	577	1.5	0.3	98.3
IN EVANSVILLE	25	59	56.5	314.0	17167	587	17090	588	3.1	1.8	100.0
IN EVANSVILLE	44	45	50.0	296.0	15265	562	15301	562	0.1	0.0	99.7
IN FORT WAYNE	15	4	1.0	253.0	10500	585	10038	557	0.0	0.0	100.0
IN FORT WAYNE	21	24	50.0	226.0	12253	651	11554	603	1.4	0.7	99.2
IN FORT WAYNE	33	19	50.0	235.0	11933	635	11732	608	0.1	0.1	99.4
IN FORT WAYNE	39	40	50.0	223.0	13192	678	13477	689	2.3	1.3	97.9
IN FORT WAYNE	55	36	50.0	238.0	11227	620	11227	620	0.0	0.0	100.0
IN GARY	50	51	194.8	494.0	25797	8325	25387	8307	3.0	0.6	99.9
IN GARY	56	17	50.0	306.0	15222	4407	15198	4390	1.3	1.8	99.9
IN HAMMOND	62	36	75.8	146.0	11370	6950	11286	6855	0.0	0.0	99.9
IN INDIANAPOLIS	6	25	1000.0	302.0	31298	2348	27352	2226	0.0	0.0	97.0
IN INDIANAPOLIS	8	9	15.3	305.0	24826	2179	24755	2134	1.2	0.5	94.6
IN INDIANAPOLIS	13	46	1000.0	299.0	27302	2262	22987	2053	0.3	0.0	99.7
IN INDIANAPOLIS	20	21	50.0	259.0	15689	1647	15114	1632	0.0	0.0	99.9
IN INDIANAPOLIS	40	16	50.0	302.0	17013	1689	17045	1685	1.8	0.7	98.4
IN INDIANAPOLIS	59	45	114.5	304.0	18753	1777	18429	1759	0.1	0.2	98.2
IN INDIANAPOLIS	69	44	50.0	167.0	2526	1016	2526	1016	0.0	0.0	100.0
IN KOKOMO	29	54	139.9	236.0	13621	1123	13694	1187	0.9	3.5	99.5
IN LAFAYETTE	18	11	3.2	238.0	12618	509	12438	485	3.4	0.8	99.9
IN MARION	23	32	260.9	295.0	19262	1850	19056	1848	0.3	0.9	98.4
IN MUNCIE	49	52	50.0	155.0	9558	534	9550	532	1.8	1.3	99.7
IN RICHMOND	43	39	59.9	302.0	14996	2761	14735	2655	3.8	4.7	99.3
IN SALEM	58	51	50.0	346.0	15053	1217	14714	1209	1.2	0.2	99.9
IN SOUTH BEND	16	42	390.9	326.0	25322	1436	23194	1284	2.0	2.7	99.4
IN SOUTH BEND	22	30	242.3	325.0	24373	1378	22931	1365	3.5	8.8	99.2
IN SOUTH BEND	34	35	50.0	246.0	13979	944	14096	961	7.1	6.1	97.1
IN SOUTH BEND	46	48	50.0	305.0	15185	987	14975	960	4.6	2.9	100.0
IN TERRE HAUTE	2	36	1000.0	290.0	32150	898	22591	576	0.0	0.0	99.9
IN TERRE HAUTE	10	24	855.9	293.0	26981	710	25223	675	2.0	4.9	98.8

STATE AND CITY	DIGITAL TELEVISION SERVICE						EXISTING NTSC				DTV/ NTSC AREA MATCH (%)
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					AREA (Sq km)	PEOPLE (thous)	AREA (Sq km)	PEOPLE (thous)	AREA (% NL Area)	PEOPLE (% NL Pop)	
IN TERRE HAUTE	38	39	56.8	299.0	14220	406	14127	389	0.4	0.1	100.0
IN VINCENNES	22	52	60.4	174.0	11033	250	11009	249	1.2	1.6	99.9
KS COLBY	4	17	1000.0	229.0	28663	51	22993	38	0.0	0.0	100.0
KS ENSIGN	6	5	6.8	219.0	28358	121	27103	117	0.0	0.0	99.7
KS FORT SCOTT	20	40	327.0	233.0	19340	329	19106	325	0.1	0.0	100.0
KS GARDEN CITY	11	16	606.3	244.0	23127	118	22492	114	0.0	0.0	99.4
KS GARDEN CITY	13	18	673.9	265.0	25000	114	23749	114	0.0	0.0	100.0
KS GOODLAND	10	14	714.6	299.0	27752	43	26772	41	0.8	1.8	100.0
KS GREAT BEND	2	22	1000.0	296.0	31693	199	29002	175	0.0	0.0	100.0
KS HAYS	7	20	1000.0	216.0	24887	100	23445	95	0.0	0.0	100.0
KS HAYS	9	16	495.6	332.0	29090	130	24912	114	0.0	0.0	98.7
KS HUTCHINSON	8	29	1000.0	244.0	23973	670	18724	566	0.0	0.0	100.0
KS HUTCHINSON	12	19	544.3	463.0	37037	755	32857	724	0.3	0.0	100.0
KS HUTCHINSON	36	35	117.3	733.0	16065	605	16065	605	0.2	0.0	100.0
KS LAKIN	3	23	1000.0	171.0	25489	91	21264	88	0.0	0.0	99.8
KS LAWRENCE	38	36	168.6	330.0	16625	1755	16553	1731	0.3	0.1	99.4
KS PITTSBURG	7	30	667.9	332.0	29825	494	28150	475	0.0	0.0	100.0
KS SALINA	18	17	50.0	317.0	12033	156	11974	156	0.9	5.2	100.0
KS TOPEKA	11	23	815.1	305.0	27129	708	23472	909	0.0	0.0	96.1
KS TOPEKA	13	44	912.4	421.0	34202	632	28513	553	0.0	0.0	100.0
KS TOPEKA	27	28	50.0	320.0	16927	404	16384	388	0.0	0.0	100.0
KS TOPEKA	49	48	120.8	451.0	19798	477	19151	444	0.0	0.0	100.0
KS WICHITA	3	45	1000.0	305.0	32834	684	27039	660	0.0	0.0	99.9
KS WICHITA	10	21	625.7	314.0	28411	675	26335	664	0.0	0.0	100.0
KS WICHITA	24	26	137.1	328.0	17810	618	17898	618	1.8	0.1	99.5
KS WICHITA	33	31	174.6	240.0	16869	613	16869	613	0.0	0.0	100.0
KY ASHLAND	25	26	50.0	152.0	7413	388	6797	371	4.5	8.1	100.0
KY ASHLAND	61	44	50.0	189.0	8436	457	8234	441	0.6	0.3	98.7
KY BEATYVILLE	65	7	3.2	197.0	5903	89	4788	66	0.0	0.0	100.0
KY BOWLING GREEN	13	33	1000.0	226.0	24743	589	20458	466	0.0	0.0	100.0
KY BOWLING GREEN	24	18	50.0	198.0	10561	244	9937	235	2.2	1.1	100.0
KY BOWLING GREEN	40	16	50.0	244.0	10618	240	10382	236	1.7	1.0	100.0
KY BOWLING GREEN	53	48	50.0	247.0	11890	254	11637	250	2.6	1.5	100.0
KY CAMPBELLSVILLE	34	19	50.0	314.0	14021	267	13341	248	2.8	5.4	100.0
KY COVINGTON	54	24	50.0	122.0	5890	1572	5419	1533	3.7	1.6	100.0
KY DANVILLE	56	4	1.0	351.0	15951	687	15417	674	4.3	2.2	99.3
KY ELIZABETHTOWN	23	43	50.0	198.0	12088	734	10995	409	0.5	0.2	100.0
KY HARLAN	44	51	50.0	601.0	18668	547	16849	475	2.2	4.0	99.6

STATE AND CITY	DIGITAL TELEVISION SERVICE						EXISTING NTSC				DTV/ NTSC AREA MATCH (%)
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					AREA (Sq km)	PEOPLE (thous)	AREA (Sq km)	PEOPLE (thous)	AREA (% NL Area)	PEOPLE (% NL Pop)	
KY HAZARD	35	16	50.0	384.0	15054	347	13472	295	4.2	3.4	100.0
KY HAZARD	57	12	3.2	475.0	16532	383	14617	324	0.3	0.3	100.0
KY LEXINGTON	18	22	50.0	195.0	12859	624	12783	622	0.9	0.2	99.5
KY LEXINGTON	27	59	72.3	300.0	16825	679	16781	678	1.3	0.5	99.7
KY LEXINGTON	36	40	69.5	305.0	17808	692	17412	691	1.5	1.3	99.9
KY LEXINGTON	46	42	50.0	265.0	13599	637	13491	635	4.6	2.3	99.0
KY LOUISVILLE	3	47	1000.0	555.0	45139	2883	35162	2244	0.3	0.2	99.6
KY LOUISVILLE	11	55	447.7	390.0	27492	1480	26136	1462	0.0	0.0	99.8
KY LOUISVILLE	15	17	50.0	262.0	13848	1186	13303	1177	1.4	0.3	100.0
KY LOUISVILLE	21	8	3.2	212.0	12357	1139	11893	1114	3.4	0.6	98.1
KY LOUISVILLE	32	26	160.2	384.0	25254	1450	24714	1433	5.4	1.7	100.0
KY LOUISVILLE	41	49	247.8	391.0	25464	1450	23878	1395	4.3	1.1	100.0
KY LOUISVILLE	68	38	50.0	249.0	13093	1166	12722	1158	0.0	0.0	99.5
KY MADISONVILLE	19	20	81.1	241.0	14290	551	14161	549	2.7	4.6	99.8
KY MADISONVILLE	35	42	50.0	317.0	14285	293	13997	291	2.3	1.9	100.0
KY MOREHEAD	38	15	50.0	293.0	13653	218	12686	200	0.3	0.4	100.0
KY MOREHEAD	67	21	65.6	247.0	15554	349	15470	346	0.0	0.0	97.9
KY MURRAY	21	36	50.0	201.0	12306	288	12298	288	8.7	3.9	100.0
KY NEWPORT	19	29	258.7	306.0	19927	2281	19628	2340	1.0	0.4	98.7
KY OWENSBORO	31	30	50.0	140.0	9949	461	9789	459	1.1	0.4	100.0
KY OWENTON	52	44	50.0	216.0	11101	423	10787	409	0.5	0.5	100.0
KY PADUCAH	6	32	1000.0	482.0	43501	865	38359	809	0.0	0.0	99.8
KY PADUCAH	29	41	50.0	152.0	7265	177	7069	174	3.7	3.4	100.0
KY PADUCAH	49	50	68.2	327.0	14893	435	14881	435	0.3	0.2	99.8
KY PIKEVILLE	22	24	50.0	430.0	16937	452	15936	431	0.9	0.7	99.7
KY SOMERSET	29	14	50.0	445.0	18571	401	17371	371	1.2	1.8	100.0
LA ALEXANDRIA	5	35	1000.0	485.0	42562	987	43135	982	0.0	0.0	97.2
LA ALEXANDRIA	25	26	67.5	415.0	19587	318	19531	317	1.5	0.8	100.0
LA ALEXANDRIA	31	32	50.0	333.0	17708	257	17600	256	0.9	0.9	100.0
LA BATON ROUGE	2	42	1000.0	515.0	44519	1833	40635	2324	0.0	0.0	95.8
LA BATON ROUGE	9	46	958.8	509.0	40157	1877	31609	1220	0.1	0.0	100.0
LA BATON ROUGE	27	25	79.6	303.0	16020	809	15122	761	0.2	0.0	99.8
LA BATON ROUGE	33	34	226.5	522.0	26892	1315	25957	1288	0.0	0.0	100.0
LA BATON ROUGE	44	45	143.3	426.0	16097	877	19373	985	0.1	0.0	83.1
LA COLUMBIA	11	57	1000.0	572.0	43149	690	32856	566	0.0	0.0	100.0
LA LAFAYETTE	3	28	1000.0	530.0	47367	911	35053	718	0.0	0.0	100.0
LA LAFAYETTE	10	56	1000.0	530.0	41182	1001	32293	794	0.0	0.0	100.0
LA LAFAYETTE	15	16	93.0	360.0	19890	586	19890	586	0.0	0.0	100.0
LA LAFAYETTE	24	23	64.3	369.0	18304	536	18304	536	0.0	0.0	100.0

STATE AND CITY	DIGITAL TELEVISION SERVICE						EXISTING NTSC				DTV/ NTSC AREA MATCH (%)
	NTSC CHAN	DTV CHAN	DTV POWER (kW)	ANTENNA HAAT (m)	DURING TRANSITION		CURRENT SERVICE		NEW INTERFERENCE		
					AREA (Sq km)	PEOPLE (thous)	AREA (Sq km)	PEOPLE (thous)	AREA (% NL Area)	PEOPLE (% NL Pop)	
LA LAKE CHARLES	7	8	3.2	451.0	29070	749	35159	940	0.0	0.0	82.5
LA LAKE CHARLES	18	20	50.0	314.0	17597	368	18010	374	0.4	0.1	97.7
LA LAKE CHARLES	29	30	84.6	394.0	19653	610	19649	610	0.3	0.1	100.0
LA MONROE	8	55	1000.0	576.0	43668	728	41197	688	0.0	0.0	100.0
LA MONROE	13	19	554.1	543.0	40749	688	36053	621	0.0	0.0	100.0
LA NEW ORLEANS	4	30	1000.0	305.0	34052	1782	33649	1767	0.0	0.0	100.0
LA NEW ORLEANS	6	43	1000.0	283.0	32237	1750	32893	1788	0.0	0.0	96.9
LA NEW ORLEANS	8	29	699.9	302.0	28503	1679	26365	1603	0.0	0.0	99.7
LA NEW ORLEANS	12	11	14.8	308.0	21811	1549	19930	1488	0.0	0.0	100.0
LA NEW ORLEANS	20	14	129.7	275.0	16707	1451	16429	1443	0.0	0.0	100.0
LA NEW ORLEANS	26	15	70.1	308.0	16761	1404	16186	1389	0.0	0.0	100.0
LA NEW ORLEANS	32	31	66.7	308.0	12114	1354	14995	1381	0.0	0.6	80.7
LA NEW ORLEANS	38	40	202.0	311.0	17993	1432	17993	1432	0.0	0.0	100.0
LA NEW ORLEANS	49	50	61.7	271.0	13440	1317	13440	1317	0.0	0.0	100.0
LA SHREVEPORT	3	28	1000.0	543.0	45594	1047	33729	899	0.0	0.0	99.7
LA SHREVEPORT	12	17	545.7	549.0	42207	1013	32645	899	2.3	1.0	100.0
LA SHREVEPORT	24	25	50.0	326.0	19138	561	18901	560	0.0	0.0	99.7
LA SHREVEPORT	33	34	202.0	553.0	28959	838	28076	809	0.0	0.0	100.0
LA SHREVEPORT	45	44	100.3	507.0	20150	618	20089	617	0.6	0.7	100.0
LA SLIDELL	54	24	63.2	213.0	12140	1346	12140	1346	0.0	0.0	100.0
LA WEST MONROE	14	36	404.8	572.0	33237	533	33516	598	0.6	0.1	97.9
LA WEST MONROE	39	38	50.0	152.0	9444	261	8715	256	0.1	0.0	100.0
MA ADAMS	19	36	50.0	637.0	19860	1696	16984	1124	4.0	1.3	100.0
MA BOSTON	2	19	1000.0	317.0	29979	6740	29402	6697	0.0	0.0	97.6
MA BOSTON	4	30	818.0	354.0	28923	6694	29628	6716	8.1	1.8	96.3
MA BOSTON	5	20	1000.0	299.0	29346	6612	25483	5683	5.4	1.7	97.0
MA BOSTON	7	42	947.9	306.0	27652	6651	26156	6552	0.0	0.0	100.0
MA BOSTON	25	31	67.5	357.0	19107	6051	18684	6013	1.3	0.6	96.9
MA BOSTON	38	39	70.8	354.0	20192	6230	19603	6037	10.4	3.9	99.5
MA BOSTON	44	43	50.0	329.0	16483	5731	16011	5657	13.3	4.5	98.2
MA BOSTON	68	32	50.0	249.0	12605	4708	12162	4583	0.0	0.0	98.6
MA CAMBRIDGE	56	41	50.0	360.0	17066	5802	16816	5805	1.9	0.8	98.2
MA LAWRENCE	62	18	52.6	186.0	6861	3440	10914	4377	0.0	0.0	61.4
MA MARLBOROUGH	66	23	50.0	326.0	19093	5977	17821	5420	0.4	0.1	99.7
MA NEW BEDFORD	6	49	1000.0	283.0	30222	5065	22848	2645	4.9	2.1	99.3
MA NEW BEDFORD	28	22	155.1	229.0	14921	3499	13032	2424	0.3	0.1	99.2
MA NORWELL	46	52	50.0	107.0	5376	2081	5745	1865	19.3	8.9	88.1
MA SPRINGFIELD	22	11	3.2	268.0	12785	2116	12269	2079	6.5	3.2	95.6

STATE AND CITY	NTSC CHAN	DTV CHAN	DTV POWER (kW)	ANTENNA HAAT (m)	DIGITAL TELEVISION SERVICE		EXISTING NTSC				DTV/ NTSC AREA MATCH (%)
					DURING TRANSITION		CURRENT SERVICE		NEW INTERFERENCE		
					AREA (Sq km)	PEOPLE (thous)	AREA (Sq km)	PEOPLE (thous)	AREA (% NL Area)	PEOPLE (% NL Pop)	
MA SPRINGFIELD	40	55	200.8	322.0	13479	2108	13687	2146	2.8	3.5	96.0
MA SPRINGFIELD	57	58	50.0	306.0	12528	1839	11414	1677	8.1	2.6	99.9
MA VINEYARD HAVEN	58	40	50.0	155.0	8686	528	8674	526	0.0	0.0	100.0
MA WORCESTER	27	29	50.0	466.0	18382	5509	16597	5107	0.1	0.2	91.7
MA WORCESTER	48	47	101.0	398.0	20329	3870	19394	3643	4.5	13.9	98.2
MD ANNAPOLIS	22	42	349.5	265.0	19689	6003	19485	5762	11.2	3.5	95.4
MD BALTIMORE	2	52	1000.0	305.0	29402	6740	29023	7078	0.0	0.0	95.2
MD BALTIMORE	11	59	1000.0	305.0	25782	6693	25368	6610	1.0	1.3	95.7
MD BALTIMORE	13	38	1000.0	302.0	25537	5874	22887	6187	1.0	1.0	95.9
MD BALTIMORE	24	41	50.0	326.0	15186	5643	15436	5451	2.4	1.2	96.1
MD BALTIMORE	45	46	50.0	386.0	18289	5774	18217	5762	0.9	3.8	98.9
MD BALTIMORE	54	40	140.8	349.0	20712	5507	19914	5667	7.8	1.8	98.7
MD BALTIMORE	67	29	50.0	250.0	11105	3999	10599	3156	13.9	6.3	96.4
MD FREDERICK	62	28	50.0	138.0	7183	1924	6929	1990	0.1	0.1	96.5
MD HAGERSTOWN	25	55	67.7	375.0	13709	652	13228	631	4.8	3.5	98.5
MD HAGERSTOWN	31	44	209.2	378.0	14847	769	13813	713	1.1	1.3	99.2
MD HAGERSTOWN	68	16	50.0	394.0	13806	703	10798	525	0.0	0.0	99.9
MD OAKLAND	36	54	50.0	216.0	5649	109	4898	97	3.1	1.4	100.0
MD SALISBURY	16	21	196.9	299.0	17447	470	17443	470	0.0	0.0	100.0
MD SALISBURY	28	56	85.1	157.0	13114	339	13190	341	0.0	0.0	99.4
MD SALISBURY	47	53	62.5	304.0	13990	417	13990	417	0.2	0.2	100.0
ME AUGUSTA	10	17	628.9	305.0	26947	791	24295	739	0.0	0.0	100.0
ME BANGOR	2	25	1000.0	192.0	22331	326	19917	297	0.0	0.0	99.9
ME BANGOR	5	19	464.6	402.0	30324	470	26450	429	0.0	0.0	99.7
ME BANGOR	7	14	994.4	250.0	25837	340	22964	288	0.0	0.0	99.9
ME BIDDEFORD	26	45	50.0	244.0	11213	646	11449	645	0.2	0.1	93.9
ME CALAIS	13	15	186.0	134.0	15131	32	12154	28	0.0	0.0	100.0
ME LEWISTON	35	28	50.0	258.0	9256	480	8947	473	2.8	1.1	100.0
ME ORONO	12	22	990.7	302.0	27549	331	24328	320	0.0	0.0	99.8
ME POLAND SPRING	8	46	256.7	1173.0	40168	982	38522	995	0.0	0.0	96.2
ME PORTLAND	6	44	1000.0	610.0	35125	1082	34674	1046	0.0	0.0	94.7
ME PORTLAND	13	38	826.4	491.0	32110	933	32033	995	3.1	8.6	95.7
ME PORTLAND	51	4	1.0	280.0	13863	608	13155	599	1.7	1.0	99.3
ME PRESQUE ISLE	8	16	59.9	107.0	8131	55	7518	53	0.0	0.0	99.5
ME PRESQUE ISLE	10	20	544.0	332.0	28867	80	26107	77	0.0	0.0	100.0
MI ALPENA	6	57	1000.0	448.0	37515	253	29145	180	0.0	0.0	99.1
MI ALPENA	11	13	12.2	204.0	17634	110	16801	108	0.0	0.0	99.2
MI ANN ARBOR	31	33	50.0	329.0	17256	3197	14239	2248	2.3	4.1	99.7

STATE AND CITY	DIGITAL TELEVISION SERVICE						EXISTING NTSC				DTV/ NTSC AREA MATCH (%)
	NTSC CHAN	DTV CHAN	DTV POWER (kW)	ANTENNA HAAT (m)	DURING TRANSITION		CURRENT SERVICE		NEW INTERFERENCE		
					AREA (Sq km)	PEOPLE (thous)	AREA (Sq km)	PEOPLE (thous)	AREA (% NL Area)	PEOPLE (% NL Pop)	
MI BAD AXE	35	15	50.0	155.0	6141	80	6141	80	0.0	0.0	100.0
MI BATTLE CREEK	41	20	122.9	329.0	22689	1793	22821	1789	6.2	4.8	99.1
MI BATTLE CREEK	43	44	191.7	323.0	21051	1811	21319	1786	4.4	2.1	95.8
MI BAY CITY	5	22	1000.0	305.0	32648	1711	25468	1309	0.2	0.5	99.9
MI CADILLAC	9	40	857.6	497.0	37337	656	33871	592	0.0	0.0	98.5
MI CADILLAC	27	58	50.0	180.0	7371	87	7043	84	0.0	0.0	100.0
MI CADILLAC	33	47	50.0	311.0	11377	151	11125	147	9.2	5.5	100.0
MI CALUMET	5	18	1000.0	295.0	23214	54	21939	53	0.0	0.0	99.8
MI CHEBOYGAN	4	14	1000.0	189.0	26704	147	24239	133	0.0	0.0	99.9
MI DETROIT	2	58	1000.0	305.0	29671	5601	26496	5215	29.2	8.9	90.2
MI DETROIT	4	45	1000.0	306.0	31676	5587	25357	5127	0.0	0.0	98.3
MI DETROIT	7	41	1000.0	305.0	26867	5516	24481	5147	2.9	0.5	99.3
MI DETROIT	20	21	50.0	293.0	16508	4641	16512	4692	5.0	2.4	99.3
MI DETROIT	50	14	50.0	293.0	17063	4770	15265	4505	0.8	0.3	100.0
MI DETROIT	56	43	50.0	293.0	14810	4513	16254	4720	9.2	3.7	91.1
MI DETROIT	62	44	121.8	327.0	17107	4516	18769	4695	0.6	0.1	91.1
MI EAST LANSING	23	55	56.8	296.0	16608	1379	16287	1333	1.9	1.1	100.0
MI ESCANABA	3	48	1000.0	363.0	36154	175	35639	173	0.0	0.0	99.9
MI FLINT	12	36	1000.0	287.0	27126	1943	24490	1807	0.7	0.5	99.4
MI FLINT	28	52	120.9	265.0	14635	2661	14356	2578	0.0	0.0	99.6
MI FLINT	66	16	60.7	287.0	18396	1552	18533	1571	0.1	0.0	99.2
MI GRAND RAPIDS	8	7	15.1	302.0	23097	1840	26015	1949	8.0	1.8	86.8
MI GRAND RAPIDS	13	39	1000.0	305.0	26490	1179	23938	1139	0.0	0.0	95.4
MI GRAND RAPIDS	17	19	50.0	334.0	17990	1481	18259	1488	3.1	4.3	96.2
MI GRAND RAPIDS	35	11	3.2	262.0	14630	1077	14702	1076	5.6	2.3	99.3
MI IRON MOUNTAIN	8	22	50.0	190.0	12831	75	11714	67	0.0	0.0	100.0
MI JACKSON	18	34	50.0	73.0	1772	152	1772	152	0.0	0.0	100.0
MI KALAMAZOO	3	2	7.2	305.0	28693	1975	30599	2051	13.1	4.6	91.7
MI KALAMAZOO	52	5	1.0	125.0	4044	342	4028	341	5.6	2.4	100.0
MI KALAMAZOO	64	45	50.0	319.0	16437	1351	17368	1439	0.0	0.0	94.6
MI LANSING	6	59	1000.0	305.0	30080	2427	19821	1773	0.0	0.0	97.7
MI LANSING	47	38	50.0	305.0	15311	1012	15380	1012	1.8	0.6	99.2
MI LANSING	53	51	50.0	299.0	11745	777	11637	775	0.1	0.0	100.0
MI MANISTEE	21	17	50.0	104.0	4535	47	4479	46	1.3	2.3	100.0
MI MARQUETTE	6	35	1000.0	296.0	32976	194	24010	149	0.0	0.0	99.9
MI MARQUETTE	13	33	740.1	332.0	29653	185	25973	170	0.0	0.0	100.0
MI MOUNT CLEMENS	38	39	148.0	192.0	12866	4149	13046	4167	6.5	2.6	98.2
MI MOUNT PLEASANT	14	56	50.0	158.0	8653	265	8617	264	3.0	1.7	100.0
MI MUSKEGON	54	24	80.0	294.0	13717	1048	13471	1042	0.1	0.0	99.7

STATE AND CITY	NTSC CHAN	DTV CHAN	DTV POWER (kW)	ANTENNA HAAT (m)	DIGITAL TELEVISION SERVICE		EXISTING NTSC				DTV/ NTSC AREA MATCH (%)
					DURING TRANSITION		CURRENT SERVICE		NEW INTERFERENCE		
					AREA (Sq km)	PEOPLE (thous)	AREA (Sq km)	PEOPLE (thous)	AREA (% NL Area)	PEOPLE (% NL Pop)	
MI ONONDAGA	10	57	1000.0	299.0	27147	1924	20902	1404	0.0	0.0	100.0
MI SAGINAW	25	30	193.3	402.0	25367	1892	24865	1838	0.0	0.0	98.7
MI SAGINAW	49	48	50.0	287.0	13994	1230	13882	1198	0.0	0.0	100.0
MI SAULT STE. MARI	8	56	1000.0	290.0	26042	78	25375	82	0.0	0.0	96.4
MI SAULT STE. MARI	10	49	977.6	370.0	31041	90	27587	86	0.0	0.0	100.0
MI TRAVERSE CITY	7	50	1000.0	411.0	34182	404	30396	329	5.0	7.0	100.0
MI TRAVERSE CITY	29	31	63.0	399.0	20257	268	19263	257	0.2	0.1	100.0
MI UNIVERSITY CENT	19	18	50.0	140.0	12016	682	11960	680	2.7	2.4	100.0
MI VANDERBILT	45	59	50.0	324.0	14759	141	14486	139	0.0	0.0	100.0
MN ALEXANDRIA	7	24	581.9	341.0	30569	401	28777	388	0.0	0.0	100.0
MN ALEXANDRIA	42	14	50.0	358.0	21267	314	19835	213	0.1	0.1	100.0
MN APPLETON	10	31	696.7	381.0	32661	244	28120	202	0.0	0.0	100.0
MN AUSTIN	6	33	1000.0	320.0	33538	594	27107	510	0.0	0.0	99.9
MN AUSTIN	15	20	50.0	116.0	9286	171	9153	168	0.6	2.0	100.0
MN BEMIDJI	9	18	523.6	329.0	29798	106	26575	83	0.0	0.0	100.0
MN BRAINERD	22	28	50.0	227.0	9946	102	9937	102	2.5	0.5	100.0
MN DULUTH	3	33	1000.0	302.0	31348	273	31104	278	0.0	0.0	97.5
MN DULUTH	8	38	1000.0	290.0	27761	258	24845	244	0.0	0.0	100.0
MN DULUTH	10	43	1000.0	301.0	28230	261	25074	238	0.0	0.0	100.0
MN DULUTH	21	17	50.0	180.0	5782	179	5746	179	8.0	6.8	100.0
MN HIBBING	13	36	511.2	204.0	14891	113	13719	109	0.0	0.0	100.0
MN MANKATO	12	38	845.4	317.0	29278	393	25681	326	0.0	0.0	100.0
MN MINNEAPOLIS	4	32	1000.0	436.0	39593	2983	33920	2902	0.0	0.0	99.9
MN MINNEAPOLIS	9	26	631.6	435.0	34517	2903	29749	2798	0.0	0.0	99.7
MN MINNEAPOLIS	11	35	762.3	439.0	35551	2939	31918	2853	0.0	0.0	99.9
MN MINNEAPOLIS	23	22	186.1	351.0	21525	2665	21464	2663	0.0	0.0	100.0
MN MINNEAPOLIS	29	21	175.1	373.0	22419	2676	21411	2662	0.8	0.1	100.0
MN MINNEAPOLIS	45	44	182.8	375.0	21129	2649	21056	2648	0.0	0.0	100.0
MN REDWOOD FALLS	43	27	50.0	167.0	8284	74	8244	74	0.0	0.0	100.0
MN ROCHESTER	10	36	772.2	381.0	31622	556	26783	462	0.0	0.0	100.0
MN ROCHESTER	47	46	50.0	104.0	3712	139	3640	137	0.0	0.0	100.0
MN ST. CLOUD	41	40	92.1	448.0	20220	2596	19027	2349	0.0	0.0	100.0
MN ST. PAUL	2	34	1000.0	399.0	37452	2965	34436	2909	0.0	0.0	99.6
MN ST. PAUL	5	50	1000.0	436.0	39359	2991	36686	2927	0.0	0.0	98.6
MN ST. PAUL	17	16	50.0	396.0	13296	2506	13263	2505	0.2	0.0	100.0
MN THIEF RIVER FAL	10	57	692.6	183.0	12720	121	10201	106	0.0	0.0	100.0
MN WALKER	12	20	736.5	283.0	27768	190	25818	176	0.0	0.0	100.0
MN WORTHINGTON	20	15	72.7	332.0	17875	145	17891	145	0.6	1.8	99.9

STATE AND CITY	NTSC CHAN	DTV CHAN	DTV POWER (kW)	ANTENNA HAAT (m)	DIGITAL TELEVISION SERVICE		EXISTING NTSC				DTV/ NTSC AREA MATCH (%)
					DURING TRANSITION		CURRENT SERVICE		NEW INTERFERENCE		
					AREA (Sq km)	PEOPLE (thous)	AREA (Sq km)	PEOPLE (thous)	AREA (% NL Area)	PEOPLE (% NL Pop)	
MO CAPE GIRARDEAU	12	57	1000.0	610.0	43764	918	37135	781	0.1	0.1	100.0
MO CAPE GIRARDEAU	23	22	62.0	543.0	22999	524	22580	518	0.0	0.0	100.0
MO COLUMBIA	8	36	1000.0	242.0	26054	441	21983	413	0.0	0.0	100.0
MO COLUMBIA	17	22	53.9	348.0	20500	413	20055	411	3.4	3.8	100.0
MO HANNIBAL	7	29	1000.0	271.0	27374	319	24036	291	0.0	0.0	100.0
MO JEFFERSON CITY	13	12	15.1	308.0	24445	446	21642	404	0.0	0.0	99.6
MO JEFFERSON CITY	25	20	56.0	314.0	16148	326	15871	324	0.0	0.1	99.7
MO JOPLIN	12	43	1000.0	311.0	27520	507	23933	429	0.6	0.3	97.8
MO JOPLIN	16	46	176.1	313.0	21689	398	20104	392	1.6	0.5	99.6
MO JOPLIN	26	25	50.0	283.0	14621	302	14417	300	0.1	0.0	100.0
MO KANSAS CITY	4	34	1000.0	344.0	34558	2095	30394	1903	0.0	0.0	100.0
MO KANSAS CITY	5	24	1000.0	342.0	33260	1944	28753	1935	0.0	0.0	96.0
MO KANSAS CITY	9	14	471.0	357.0	30105	1965	28907	1910	0.0	0.0	97.9
MO KANSAS CITY	19	18	50.0	357.0	19068	1751	18797	1734	4.9	0.5	100.0
MO KANSAS CITY	32	31	200.8	322.0	23377	1763	23325	1763	0.3	0.0	100.0
MO KANSAS CITY	41	42	50.0	323.0	16422	1681	16223	1676	0.0	0.0	99.9
MO KANSAS CITY	50	51	50.0	341.0	16177	1670	15490	1659	0.9	0.1	100.0
MO KANSAS CITY	62	47	129.7	340.0	21142	1803	20991	1799	0.0	0.0	99.5
MO KIRKSVILLE	3	33	1000.0	339.0	34545	352	27492	260	0.0	0.0	99.6
MO POPLAR BLUFF	15	18	50.0	184.0	10131	127	9950	123	0.1	0.0	100.0
MO SEDALIA	6	15	1000.0	235.0	28672	471	24120	402	0.0	0.0	99.9
MO SPRINGFIELD	3	44	1000.0	622.0	47586	735	41787	671	0.0	0.0	98.9
MO SPRINGFIELD	10	52	1000.0	631.0	45444	749	40916	683	0.0	0.0	100.0
MO SPRINGFIELD	21	23	50.0	546.0	26748	495	26097	488	0.7	0.3	99.8
MO SPRINGFIELD	27	28	237.5	515.0	27119	502	25568	481	1.0	0.7	100.0
MO SPRINGFIELD	33	19	162.6	596.0	27381	523	27053	518	0.5	0.3	99.8
MO ST. JOSEPH	2	53	1000.0	247.0	29250	1473	28365	1498	0.0	0.0	99.2
MO ST. JOSEPH	16	21	245.7	326.0	17846	1569	17080	1404	1.9	9.9	100.0
MO ST. LOUIS	2	43	1000.0	332.0	34129	2771	28971	2678	0.0	0.0	99.4
MO ST. LOUIS	4	56	1000.0	335.0	32806	2762	29620	2723	0.0	0.0	98.0
MO ST. LOUIS	5	35	1000.0	332.0	34185	2779	33240	2764	0.0	0.0	99.4
MO ST. LOUIS	9	39	990.9	326.0	28522	2688	24359	2623	0.0	0.0	100.0
MO ST. LOUIS	11	26	778.9	308.0	28630	2710	26261	2667	0.0	0.0	100.0
MO ST. LOUIS	24	14	88.5	305.0	19966	2538	19531	2532	0.5	0.1	99.9
MO ST. LOUIS	30	31	68.2	335.0	20264	2555	20128	2554	0.0	0.0	100.0
MS BILOXI	13	39	822.1	408.0	34271	1095	27954	738	0.0	0.0	100.0
MS BILOXI	19	16	50.8	478.0	21138	634	21018	648	1.0	0.8	99.3
MS BOONEVILLE	12	55	501.9	229.0	15553	295	13444	261	0.0	0.0	100.0

STATE AND CITY	NTSC CHAN	DTV CHAN	DTV POWER (kW)	ANTENNA HAAT (m)	DIGITAL TELEVISION SERVICE		EXISTING NTSC				DTV/ NTSC AREA MATCH (%)
					DURING TRANSITION		CURRENT SERVICE		NEW INTERFERENCE		
					AREA (Sq km)	PEOPLE (thous)	AREA (Sq km)	PEOPLE (thous)	AREA (% NL Area)	PEOPLE (% NL Pop)	
MS BUDE	17	18	50.0	341.0	16476	224	14775	207	2.7	3.5	99.3
MS COLUMBUS	4	35	1000.0	610.0	47921	736	42821	652	0.0	0.0	97.8
MS GREENVILLE	15	17	103.3	271.0	15891	259	15891	259	0.0	0.0	100.0
MS GREENWOOD	6	54	1000.0	597.0	50197	869	40373	595	0.0	0.0	100.0
MS GREENWOOD	23	25	50.0	317.0	15296	249	15236	249	0.0	0.0	100.0
MS GULFPORT	25	48	128.4	488.0	22650	745	22499	767	1.8	6.0	98.5
MS HATTIESBURG	22	58	52.0	244.0	14644	277	14576	277	0.0	0.0	100.0
MS HOLLY SPRINGS	40	41	129.2	142.0	9985	1026	9904	1026	0.0	0.0	100.0
MS JACKSON	3	51	1000.0	610.0	46699	917	34506	734	0.0	0.0	99.8
MS JACKSON	12	52	1000.0	497.0	38935	784	33270	721	0.1	0.0	99.3
MS JACKSON	16	21	239.7	359.0	21185	592	21939	592	2.1	1.3	94.7
MS JACKSON	29	20	50.0	598.0	24998	638	24663	631	3.1	1.5	99.9
MS JACKSON	40	41	50.0	479.0	23283	614	22928	602	0.5	0.2	100.0
MS LAUREL	7	28	1000.0	155.0	21287	345	19210	328	0.0	0.0	100.0
MS MERIDIAN	11	49	1000.0	165.0	21891	290	19815	260	0.0	0.0	100.0
MS MERIDIAN	14	44	50.0	369.0	18021	314	17016	300	0.9	0.7	100.0
MS MERIDIAN	24	26	50.0	177.0	9932	150	9884	150	0.1	0.0	100.0
MS MERIDIAN	30	31	50.0	187.0	11126	167	11090	167	4.2	2.2	100.0
MS MISSISSIPPI STA	2	38	1000.0	381.0	37226	550	29916	422	0.0	0.0	100.0
MS NATCHEZ	48	49	82.2	316.0	15256	178	15268	178	0.0	0.0	99.9
MS OXFORD	18	36	50.0	423.0	17703	338	18417	348	0.5	0.3	96.1
MS TUPELO	9	57	1000.0	542.0	41492	673	38641	617	0.1	0.0	100.0
MS WEST POINT	27	16	53.0	512.0	22357	423	22373	423	2.0	1.8	99.5
MT BILLINGS	2	17	1000.0	165.0	22231	135	23159	136	3.5	0.2	95.0
MT BILLINGS	6	18	1000.0	249.0	27382	130	26226	135	0.0	0.0	99.1
MT BILLINGS	8	11	14.5	229.0	21573	133	20805	129	0.2	0.0	100.0
MT BOZEMAN	7	16	56.9	249.0	8504	59	8797	59	0.0	0.0	95.5
MT BOZEMAN	9	20	50.0	33.0	2264	46	2200	46	0.0	0.0	100.0
MT BUTTE	4	15	1000.0	576.0	32132	125	40009	138	0.0	0.0	80.0
MT BUTTE	6	2	11.2	591.0	43956	163	38276	141	0.0	0.0	100.0
MT BUTTE	18	19	110.7	585.0	14658	57	13761	57	0.1	0.0	99.2
MT GLENDIVE	5	15	125.6	152.0	13546	14	11386	12	0.0	0.0	100.0
MT GREAT FALLS	3	44	1000.0	180.0	22092	88	23804	89	0.0	0.0	92.3
MT GREAT FALLS	5	39	1000.0	180.0	21932	89	22921	89	0.0	0.0	94.8
MT GREAT FALLS	16	45	125.6	319.0	15237	85	15402	85	0.1	0.0	98.4
MT HARDIN	4	22	1000.0	323.0	30058	135	29423	136	0.0	0.0	97.7
MT HELENA	10	29	776.4	579.0	27784	95	26705	87	0.0	0.0	98.8
MT HELENA	12	14	169.8	686.0	30107	150	28974	149	0.0	0.0	99.1
MT KALISPELL	9	38	52.5	850.0	23448	85	23069	79	0.0	0.0	98.4

STATE AND CITY	NTSC CHAN	DTV CHAN	DTV POWER (kW)	ANTENNA HAAT (m)	DIGITAL TELEVISION SERVICE		EXISTING NTSC				DTV/ NTSC AREA MATCH (%)
					DURING TRANSITION		CURRENT SERVICE		NEW INTERFERENCE		
					AREA (Sq km)	PEOPLE (thous)	AREA (Sq km)	PEOPLE (thous)	AREA (% NL Area)	PEOPLE (% NL Pop)	
MT MILES CITY	3	13	3.2	33.0	5349	11	5430	11	0.0	0.0	98.2
MT MISSOULA	8	35	1000.0	655.0	32011	129	32749	127	0.2	0.0	96.0
MT MISSOULA	11	27	50.0	631.0	10001	86	8972	85	0.0	0.0	100.0
MT MISSOULA	13	40	1000.0	610.0	32561	129	33340	131	1.1	0.0	97.3
MT MISSOULA	23	36	96.6	642.0	17675	117	17374	118	0.0	0.0	99.0
NC ASHEVILLE	13	56	647.6	853.0	31351	1685	33144	1786	0.0	0.0	91.3
NC ASHEVILLE	21	57	329.8	765.0	27272	1483	27004	1467	1.0	0.6	97.2
NC ASHEVILLE	33	25	101.0	816.0	22699	1450	20498	1338	0.8	1.0	99.4
NC ASHEVILLE	62	45	140.4	556.0	22273	1368	21386	1334	0.6	0.2	99.6
NC BELMONT	46	47	208.8	594.0	31814	2297	28640	2125	4.0	1.6	100.0
NC BURLINGTON	16	14	52.3	256.0	14242	1373	11351	1056	1.6	0.4	99.6
NC CHAPEL HILL	4	59	1000.0	469.0	40300	2842	30307	2263	0.0	0.0	99.9
NC CHARLOTTE	3	23	1000.0	567.0	46452	3199	35588	2375	1.0	0.8	98.7
NC CHARLOTTE	9	34	740.5	359.0	30151	2143	24160	1859	7.2	4.8	100.0
NC CHARLOTTE	18	27	86.5	366.0	21413	1769	20090	1610	12.6	4.9	96.2
NC CHARLOTTE	36	22	162.3	595.0	32095	2305	31309	2289	2.7	1.3	96.9
NC CHARLOTTE	42	24	50.0	390.0	17305	1525	18348	1606	5.9	2.2	93.3
NC COLUMBIA	2	20	1000.0	302.0	33275	507	27798	245	0.0	0.0	100.0
NC CONCORD	58	44	148.9	422.0	24897	2091	24274	2084	3.7	1.8	99.3
NC DURHAM	11	52	1000.0	607.0	42896	2304	38519	2109	0.1	0.0	97.5
NC DURHAM	28	27	226.3	585.0	33775	2032	34874	2096	0.6	0.4	95.0
NC FAYETTEVILLE	40	38	205.6	561.0	30687	2123	30578	2229	0.6	0.4	92.6
NC FAYETTEVILLE	62	36	50.0	256.0	9617	539	9597	537	0.0	0.0	99.8
NC GOLDSBORO	17	55	531.8	480.0	32476	2034	30320	1902	2.9	0.8	98.6
NC GREENSBORO	2	51	1000.0	561.0	42754	2851	36651	2442	0.0	0.0	97.8
NC GREENSBORO	48	33	50.0	517.0	20533	1563	20380	1507	4.0	1.8	96.9
NC GREENSBORO	61	43	50.0	168.0	8844	982	8520	976	0.1	0.0	100.0
NC GREENVILLE	9	10	22.1	573.0	38134	1128	33999	1054	0.0	0.0	91.1
NC GREENVILLE	14	21	50.0	209.0	11543	487	11352	467	0.0	0.0	100.0
NC GREENVILLE	25	23	50.0	351.0	15427	645	14301	598	2.2	1.7	100.0
NC HICKORY	14	40	50.0	183.0	7426	504	7711	511	7.5	4.8	91.0
NC HIGH POINT	8	35	759.4	387.0	30793	2217	25181	1796	0.1	0.0	100.0
NC JACKSONVILLE	19	44	212.3	561.0	25214	728	25182	727	0.1	0.0	100.0
NC JACKSONVILLE	35	34	52.4	301.0	15041	415	14985	415	0.3	0.1	100.0
NC KANNAPOLIS	64	50	50.0	300.0	15248	1477	15907	1497	0.0	0.0	95.5
NC LEXINGTON	20	19	84.5	297.0	17330	1424	16748	1352	4.7	2.3	99.5
NC LINVILLE	17	54	130.3	546.0	17895	879	16899	842	0.9	0.3	98.3
NC LUMBERTON	31	25	96.2	319.0	20289	846	20623	853	7.5	8.9	98.0

STATE AND CITY	NTSC CHAN	DTV CHAN	DTV POWER (kW)	ANTENNA HAAT (m)	DIGITAL TELEVISION SERVICE		EXISTING NTSC				DTV/ NTSC AREA MATCH (%)
					DURING TRANSITION		CURRENT SERVICE		NEW INTERFERENCE		
					AREA (Sq km)	PEOPLE (thous)	AREA (Sq km)	PEOPLE (thous)	AREA (% NL Area)	PEOPLE (% NL Pop)	
NC MOREHEAD CITY	8	24	976.6	249.0	20009	303	13893	96	0.0	0.0	100.0
NC NEW BERN	12	48	1000.0	591.0	43008	1180	34531	862	0.0	0.0	100.0
NC RALEIGH	5	53	1000.0	604.0	47437	2615	40781	2317	0.0	0.0	99.6
NC RALEIGH	22	57	469.2	510.0	30571	2098	28232	1903	7.0	3.2	99.8
NC RALEIGH	50	49	198.0	548.0	31572	1972	30988	1968	2.4	4.2	99.6
NC ROANOKE RAPIDS	36	39	50.0	368.0	19289	539	18410	517	1.3	0.6	100.0
NC ROCKY MOUNT	47	15	94.5	371.0	17002	1184	17134	1181	0.5	0.1	96.5
NC WASHINGTON	7	32	806.2	594.0	44677	1298	36849	1102	0.0	0.0	100.0
NC WILMINGTON	3	46	1000.0	594.0	51153	1051	41539	758	0.0	0.0	100.0
NC WILMINGTON	6	54	1000.0	588.0	48041	1581	38276	1195	0.0	0.0	100.0
NC WILMINGTON	26	30	212.7	500.0	22230	481	22206	480	0.0	0.0	100.0
NC WILMINGTON	39	29	151.3	553.0	26659	635	26311	627	0.0	0.0	100.0
NC WILSON	30	42	75.4	539.0	22163	1279	21978	1266	7.1	2.5	100.0
NC WINSTON-SALEM	12	31	805.4	604.0	38013	2216	32992	2000	0.0	0.0	98.1
NC WINSTON-SALEM	26	32	262.6	504.0	22544	1618	23447	1642	0.4	0.1	92.6
NC WINSTON-SALEM	45	29	149.6	597.0	25134	1747	23587	1651	0.9	0.6	99.0
ND BISMARCK	3	22	906.8	425.0	37269	123	29285	111	0.0	0.0	99.8
ND BISMARCK	5	31	1000.0	427.0	39795	126	33172	116	0.0	0.0	100.0
ND BISMARCK	12	23	601.0	466.0	36324	123	31990	113	0.0	0.0	99.8
ND BISMARCK	17	16	50.0	290.0	13983	90	13803	89	0.1	0.0	100.0
ND DEVILS LAKE	8	59	1000.0	451.0	36452	170	35321	170	0.0	0.0	98.6
ND DICKINSON	2	19	1000.0	256.0	29196	46	29160	45	0.0	0.0	98.3
ND DICKINSON	7	18	1000.0	223.0	21489	37	20573	34	0.0	0.0	92.4
ND DICKINSON	9	20	739.7	246.0	23645	43	21684	37	0.0	0.0	100.0
ND ELLENDALE	19	20	50.0	179.0	8894	12	8866	12	4.6	1.3	100.0
ND FARGO	6	21	1000.0	351.0	36126	339	30659	253	0.0	0.0	100.0
ND FARGO	11	58	1000.0	610.0	43197	343	39529	319	0.0	0.0	95.9
ND FARGO	13	23	427.0	344.0	29025	239	27002	226	0.0	0.0	100.0
ND FARGO	15	19	196.5	379.0	19387	250	19399	250	0.0	0.0	99.9
ND GRAND FORKS	2	56	1000.0	408.0	35965	170	32916	167	0.0	0.0	99.9
ND JAMESTOWN	7	14	1000.0	135.0	19707	50	15434	41	0.0	0.0	100.0
ND MINOT	6	57	1000.0	323.0	34005	100	31671	98	0.0	0.0	99.9
ND MINOT	10	58	1000.0	207.0	17900	72	20623	77	0.0	0.0	83.8
ND MINOT	13	45	1000.0	344.0	30372	96	28469	90	0.0	0.0	100.0
ND MINOT	14	15	50.0	829.0	12063	67	12055	67	6.5	1.9	100.0
ND PEMBINA	12	15	486.2	427.0	29986	36	24366	34	0.0	0.0	100.0
ND VALLEY CITY	4	38	1000.0	619.0	52327	409	46357	376	0.0	0.0	100.0
ND WILLISTON	4	51	1000.0	278.0	29166	51	25943	45	0.0	0.0	98.9

STATE AND CITY	DIGITAL TELEVISION SERVICE						EXISTING NTSC				DTV/ NTSC AREA MATCH (%)
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					AREA (Sq km)	PEOPLE (thous)	AREA (Sq km)	PEOPLE (thous)	AREA (% NL Area)	PEOPLE (% NL Pop)	
ND WILLISTON	8	52	719.1	323.0	25295	43	24027	42	0.0	0.0	99.8
ND WILLISTON	11	14	447.6	299.0	24273	43	22884	42	0.0	0.0	99.6
NE ALBION	24	23	87.1	378.0	23553	99	23453	99	0.7	0.1	100.0
NE ALLIANCE	13	24	619.7	469.0	35748	92	31465	83	0.0	0.0	99.8
NE BASSETT	7	15	494.7	453.0	36326	51	32997	38	0.0	0.0	99.9
NE GRAND ISLAND	11	32	770.5	308.0	28628	207	24684	183	0.0	0.0	100.0
NE GRAND ISLAND	17	19	50.0	187.0	11158	148	11170	148	0.1	0.0	99.9
NE HASTINGS	5	21	1000.0	223.0	28512	220	26274	213	0.6	0.2	99.9
NE HASTINGS	29	14	50.0	372.0	20167	166	20155	166	2.6	0.8	100.0
NE HAYES CENTER	6	18	1000.0	216.0	28849	84	26822	80	0.0	0.0	100.0
NE KEARNEY	13	36	752.6	338.0	30437	213	27104	197	0.0	0.0	100.0
NE LEXINGTON	3	26	1000.0	323.0	34465	169	25618	118	0.0	0.0	100.0
NE LINCOLN	8	31	702.8	440.0	35318	625	28642	477	0.0	0.0	99.9
NE LINCOLN	10	25	624.6	454.0	37031	749	33522	687	0.0	0.0	99.9
NE LINCOLN	12	40	1000.0	253.0	26202	1040	24175	1023	0.0	0.0	99.8
NE MCCOOK	8	12	11.6	216.0	22870	50	21284	45	0.0	0.0	99.5
NE MERRIMAN	12	17	589.6	328.0	28624	31	24104	23	0.1	0.0	100.0
NE NORFOLK	19	16	50.0	348.0	16097	204	14712	199	3.9	2.3	100.0
NE NORTH PLATTE	2	22	1000.0	192.0	26243	64	24037	61	0.0	0.0	99.9
NE NORTH PLATTE	9	16	567.9	311.0	28654	66	25659	61	0.0	0.0	100.0
NE OMAHA	3	45	1000.0	418.0	39181	1131	30293	1040	0.0	0.0	100.0
NE OMAHA	6	22	1000.0	418.0	39359	1136	36448	1117	0.0	0.0	100.0
NE OMAHA	7	20	550.3	415.0	34379	1099	29303	991	0.0	0.0	100.0
NE OMAHA	15	38	406.2	453.0	26114	1040	25781	1039	3.0	0.9	100.0
NE OMAHA	26	17	50.0	130.0	9260	698	9120	696	4.5	0.5	100.0
NE OMAHA	42	43	214.9	577.0	33989	1108	33700	1106	0.9	0.1	100.0
NE SCOTTSBLUFF	4	20	1000.0	610.0	50074	108	40276	93	0.0	0.0	99.9
NE SCOTTSBLUFF	10	29	1000.0	256.0	24339	75	22210	70	0.0	0.0	99.8
NE SUPERIOR	4	34	1000.0	344.0	35113	236	24571	116	0.0	0.0	100.0
NH BERLIN	40	15	50.0	91.0	2588	23	1839	20	0.0	0.0	100.0
NH CONCORD	21	33	74.6	320.0	16735	1911	17048	1880	2.8	5.9	96.7
NH DERRY	50	35	96.1	213.0	9823	3191	10043	3191	3.0	15.4	96.6
NH DURHAM	11	57	1000.0	302.0	25758	3758	24132	2649	0.5	0.2	98.4
NH KEENE	52	49	50.0	329.0	7340	204	5671	135	0.0	0.0	100.0
NH LITTLETON	49	48	50.0	390.0	7270	74	6258	62	0.7	0.1	100.0
NH MANCHESTER	9	59	1000.0	314.0	24405	4731	23489	4322	0.0	0.0	97.0
NH MERRIMACK	60	34	50.0	308.0	10385	1917	10603	1876	4.4	2.1	93.7
NJ ATLANTIC CITY	53	50	50.0	85.0	1323	203	1323	203	0.0	0.0	100.0
NJ ATLANTIC CITY	62	49	98.5	133.0	11223	1021	9334	753	2.6	1.9	100.0

STATE AND CITY	NTSC CHAN	DTV CHAN	DTV POWER (kW)	ANTENNA HAAT (m)	DIGITAL TELEVISION SERVICE		EXISTING NTSC				DTV/ NTSC AREA MATCH (%)
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					AREA (Sq km)	PEOPLE (thous)	AREA (Sq km)	PEOPLE (thous)	AREA (% NL Area)	PEOPLE (% NL Pop)	
NJ BURLINGTON	48	27	50.0	335.0	17337	6471	16922	6439	3.9	1.4	98.1
NJ CAMDEN	23	22	71.7	271.0	17321	5932	17865	6092	3.3	3.9	96.9
NJ LINDEN	47	36	148.9	460.0	15152	16271	14745	16110	0.8	0.1	99.7
NJ MONTCLAIR	50	51	179.2	243.0	14372	15468	14138	15296	0.3	0.1	94.4
NJ NEW BRUNSWICK	58	18	50.0	223.0	11833	12755	8997	10885	2.0	8.6	100.0
NJ NEWARK	13	61	198.7	500.0	23049	17015	23140	17110	1.6	0.6	94.2
NJ NEWARK	68	53	55.9	439.0	16001	15982	15412	15684	0.4	0.1	99.7
NJ NEWTON	63	8	3.2	223.0	11538	5709	10979	8387	3.0	18.9	93.7
NJ PATERSON	41	40	69.1	421.0	17576	16545	17028	16233	0.8	0.2	99.9
NJ SECAUCUS	9	38	136.4	500.0	26254	17915	22677	16641	1.9	0.3	99.5
NJ TRENTON	52	43	50.0	271.0	13758	7778	13051	7454	1.8	1.0	97.5
NJ VINELAND	65	66	107.8	280.0	16418	5655	16899	5868	2.3	3.2	97.1
NJ WEST MILFORD	66	29	50.0	217.0	4104	3917	2891	2439	1.1	0.2	100.0
NJ WILDWOOD	40	36	50.0	128.0	9396	448	9396	448	3.4	1.5	100.0
NM ALBUQUERQUE	4	26	293.2	1280.0	46755	759	50842	779	0.0	0.0	90.9
NM ALBUQUERQUE	5	25	285.3	1289.0	46814	759	51101	776	0.0	0.0	91.6
NM ALBUQUERQUE	7	21	92.2	1292.0	38823	752	39015	751	0.0	0.0	98.9
NM ALBUQUERQUE	13	16	106.9	1287.0	41933	752	40657	749	0.0	0.0	100.0
NM ALBUQUERQUE	23	24	50.0	1259.0	29909	731	29481	726	0.1	0.0	98.9
NM ALBUQUERQUE	32	17	50.0	1236.0	9145	648	8577	647	0.3	0.0	99.9
NM ALBUQUERQUE	41	42	50.0	1266.0	24251	724	23639	717	0.2	0.0	100.0
NM ALBUQUERQUE	50	51	50.0	1276.0	32970	735	31739	729	0.0	0.0	100.0
NM CARLSBAD	6	19	1000.0	366.0	34885	156	32739	118	0.0	0.0	99.6
NM CLOVIS	12	20	598.0	204.0	21300	84	18025	82	0.0	0.0	100.0
NM FARMINGTON	3	8	31.7	138.0	20222	111	20910	114	0.0	0.0	96.7
NM FARMINGTON	12	17	1000.0	125.0	18078	114	16423	107	0.0	0.0	100.0
NM HOBBS	29	16	50.0	159.0	2995	39	2995	39	0.0	0.0	100.0
NM LAS CRUCES	22	23	50.0	137.0	10017	209	9113	124	0.2	0.0	100.0
NM LAS CRUCES	48	47	200.0	134.0	7570	599	7295	571	0.0	0.0	100.0
NM PORTALES	3	32	1000.0	351.0	35934	187	35342	187	0.0	0.0	100.0
NM ROSWELL	8	38	890.2	536.0	41374	163	39969	159	0.0	0.0	100.0
NM ROSWELL	10	41	987.6	610.0	45138	183	38701	168	0.0	0.0	100.0
NM ROSWELL	27	28	50.0	115.0	5832	58	5824	58	0.8	0.1	100.0
NM SANTA FE	2	27	321.1	1275.0	47290	762	52571	786	0.0	0.0	89.8
NM SANTA FE	11	10	23.3	618.0	36578	732	33228	708	0.0	0.0	100.0
NM SANTA FE	19	29	208.5	33.0	7469	139	7063	136	0.0	0.0	100.0
NM SILVER CITY	10	12	3.2	485.0	15964	46	13028	42	0.0	0.0	100.0
NV ELKO	10	8	3.2	564.0	13671	27	9850	27	0.1	0.0	100.0

STATE AND CITY	DIGITAL TELEVISION SERVICE						EXISTING NTSC				DTV/ NTSC AREA MATCH (%)
	NTSC CHAN	DTV CHAN	DTV POWER (kW)	ANTENNA HAAT (m)	DURING TRANSITION		CURRENT SERVICE		NEW INTERFERENCE		
					AREA (Sq km)	PEOPLE (thous)	AREA (Sq km)	PEOPLE (thous)	AREA (% NL Area)	PEOPLE (% NL Pop)	
NV HENDERSON	5	24	1000.0	363.0	22268	732	27543	734	0.0	0.0	78.2
NV LAS VEGAS	3	2	11.2	387.0	34344	745	31087	735	0.0	0.0	100.0
NV LAS VEGAS	8	7	26.4	610.0	31021	739	27145	737	0.0	0.0	99.9
NV LAS VEGAS	10	11	19.3	372.0	21343	730	19621	730	0.0	0.0	99.7
NV LAS VEGAS	13	17	590.5	610.0	28901	737	25542	733	0.0	0.0	100.0
NV LAS VEGAS	15	16	50.0	564.0	11527	725	12220	726	0.2	0.0	90.0
NV LAS VEGAS	21	22	103.2	353.0	12232	728	11359	726	0.6	0.0	99.9
NV LAS VEGAS	33	29	50.0	581.0	13627	726	12481	726	0.0	0.0	100.0
NV PARADISE	39	40	102.1	367.0	9421	724	8797	724	0.0	0.0	100.0
NV RENO	2	32	1000.0	656.0	27353	385	35365	451	0.0	0.0	76.7
NV RENO	4	34	1000.0	133.0	11905	331	18649	393	0.0	0.0	63.7
NV RENO	5	15	50.0	140.0	5739	293	7799	315	0.0	0.0	73.3
NV RENO	8	23	315.2	893.0	33814	480	34281	492	0.0	0.0	97.3
NV RENO	11	44	525.4	856.0	27170	388	28173	392	0.0	0.0	94.7
NV RENO	21	22	50.0	189.0	5432	265	5264	261	1.3	0.4	93.8
NV RENO	27	26	125.9	894.0	22554	394	20515	387	0.2	4.7	100.0
NV WINNEMUCCA	7	12	3.2	650.0	11120	12	7696	12	0.0	0.0	100.0
NY ALBANY	10	26	1000.0	305.0	21162	1290	19688	1230	1.3	0.8	99.6
NY ALBANY	13	15	505.7	357.0	21407	1277	18951	1181	0.4	0.0	100.0
NY ALBANY	23	4	1.0	366.0	18238	1287	16337	1162	0.5	0.9	99.1
NY AMSTERDAM	55	50	136.8	223.0	8687	858	8459	848	0.0	0.0	99.8
NY BATAVIA	51	53	50.0	124.0	8027	951	7369	911	2.1	18.3	100.0
NY BINGHAMTON	12	7	8.6	369.0	23743	906	22315	790	0.3	1.7	99.8
NY BINGHAMTON	34	4	1.0	281.0	15489	662	13102	489	0.3	0.1	99.9
NY BINGHAMTON	40	8	3.2	375.0	14057	533	12037	441	0.1	0.1	99.7
NY BINGHAMTON	46	42	50.0	375.0	13841	512	12317	450	0.1	0.1	100.0
NY BUFFALO	2	33	1000.0	287.0	31314	2191	26823	1718	1.7	0.8	97.5
NY BUFFALO	4	39	1000.0	366.0	34568	2229	32541	1918	0.4	0.2	98.5
NY BUFFALO	7	38	238.1	433.0	26280	1807	21697	1528	0.3	0.0	99.3
NY BUFFALO	17	43	156.0	330.0	21137	1391	21060	1373	2.0	0.9	99.5
NY BUFFALO	23	32	50.0	314.0	15722	1307	15706	1311	0.6	0.2	97.2
NY BUFFALO	29	14	50.0	280.0	15724	1323	15534	1311	2.1	0.6	99.8
NY BUFFALO	49	34	148.9	376.0	16701	1440	16849	1451	0.0	0.1	97.1
NY CARTHAGE	7	35	1000.0	221.0	23938	277	22351	250	3.1	3.4	100.0
NY CORNING	48	50	50.0	166.0	2398	128	1874	83	0.0	0.0	100.0
NY ELMIRA	18	2	1.0	376.0	13827	546	11052	366	0.1	0.1	99.7
NY ELMIRA	36	55	50.0	320.0	11704	380	10408	316	0.6	0.5	99.9
NY GARDEN CITY	21	22	88.3	122.0	10285	12547	9063	11134	1.3	0.4	98.7

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					AREA (Sq km)	PEOPLE (thous)	AREA (Sq km)	PEOPLE (thous)	AREA (% NL Area)	PEOPLE (% NL Pop)	
NY JAMESTOWN	26	27	238.7	463.0	20750	1485	20662	1438	0.7	0.5	98.0
NY KINGSTON	62	21	98.0	591.0	18233	1732	15913	1456	0.2	0.2	99.0
NY NEW YORK	2	56	364.6	482.0	28354	18053	24095	16955	0.0	0.0	98.4
NY NEW YORK	4	28	163.5	515.0	27891	18116	25113	17182	0.7	0.1	94.6
NY NEW YORK	5	44	224.8	515.0	28095	17949	25113	17159	9.0	4.8	97.6
NY NEW YORK	7	45	164.3	491.0	26043	17845	23891	17189	1.6	0.2	99.5
NY NEW YORK	11	33	116.8	506.0	24825	17618	23184	17102	1.8	0.5	96.1
NY NEW YORK	25	24	80.7	395.0	18412	16618	18363	16695	6.3	1.6	98.7
NY NEW YORK	31	30	104.1	475.0	17322	16202	17886	16434	5.3	1.7	95.6
NY NORTH POLE	5	14	215.8	607.0	31001	438	25552	424	0.0	0.0	95.4
NY NORWOOD	18	23	50.0	243.0	13073	149	12357	136	0.0	0.0	100.0
NY PLATTSBURGH	57	38	50.0	741.0	14864	260	14412	258	0.0	0.0	100.0
NY POUGHKEEPSIE	54	27	117.5	490.0	16625	2059	14940	1742	1.5	0.4	99.4
NY RIVERHEAD	55	57	131.5	194.0	10114	3061	10190	3221	2.4	9.8	97.9
NY ROCHESTER	8	45	1000.0	152.0	20761	1182	17894	1108	1.5	1.4	99.9
NY ROCHESTER	10	58	1000.0	152.0	20721	1182	17186	1079	0.0	0.0	99.9
NY ROCHESTER	13	59	1000.0	152.0	20612	1179	16740	1100	0.0	0.0	99.9
NY ROCHESTER	21	16	50.0	152.0	9247	1000	9891	1015	17.2	3.2	92.8
NY ROCHESTER	31	28	50.0	152.0	11335	1021	11142	998	0.1	0.0	100.0
NY SCHENECTADY	6	39	1000.0	311.0	25950	1438	25617	1434	1.1	0.4	94.9
NY SCHENECTADY	17	34	156.4	299.0	17363	1188	17014	1155	2.1	0.7	99.2
NY SCHENECTADY	45	43	98.6	338.0	14144	1089	13868	1071	1.2	0.3	99.5
NY SMITHTOWN	67	23	50.0	219.0	11054	2941	10985	3074	0.1	0.2	99.0
NY SPRINGVILLE	67	46	50.0	160.0	1575	98	992	36	0.0	0.0	100.0
NY SYRACUSE	3	54	1000.0	305.0	29245	1469	26185	1295	0.0	0.0	97.9
NY SYRACUSE	5	47	1000.0	290.0	27926	1394	26367	1340	0.0	0.0	96.8
NY SYRACUSE	9	17	108.2	462.0	23696	1289	21052	1205	0.2	0.1	99.2
NY SYRACUSE	24	25	86.5	422.0	22744	1269	21801	1245	0.2	0.6	100.0
NY SYRACUSE	43	44	50.0	445.0	13952	1009	13359	970	1.0	0.5	99.9
NY SYRACUSE	68	19	50.0	445.0	14537	1032	13052	978	0.0	0.0	100.0
NY UTICA	2	29	546.1	421.0	27212	1189	22175	666	0.7	0.2	97.1
NY UTICA	20	30	50.0	244.0	11161	455	12328	447	0.3	0.1	86.7
NY UTICA	33	27	50.0	193.0	10688	671	9838	625	5.0	7.1	100.0
NY WATERTOWN	16	41	50.0	370.0	16951	206	16449	200	1.2	1.4	100.0
NY WATERTOWN	50	21	50.0	387.0	14424	176	14002	173	0.4	0.3	99.8
OH AKRON	23	59	449.1	293.0	22395	3919	20985	3623	1.5	0.1	99.7
OH AKRON	49	50	50.0	299.0	13287	3159	13146	3112	9.0	7.9	99.7
OH AKRON	55	30	108.8	356.0	18196	3465	18536	3478	0.5	1.7	95.4
OH ALLIANCE	45	46	50.0	253.0	13961	1862	13494	1972	0.5	0.3	97.7

STATE AND CITY	NTSC CHAN	DTV CHAN	DTV POWER (kW)	ANTENNA HAAT (m)	DIGITAL TELEVISION SERVICE		EXISTING NTSC				DTV/ NTSC AREA MATCH (%)
					DURING TRANSITION		CURRENT SERVICE		NEW INTERFERENCE		
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OH ATHENS	20	27	50.0	244.0	14130	480	13715	456	2.9	2.7	100.0
OH BOWLING GREEN	27	56	50.0	320.0	16401	1112	16601	1148	0.0	0.0	98.8
OH CAMBRIDGE	44	35	50.0	393.0	15459	605	14436	551	0.1	0.1	100.0
OH CANTON	17	39	50.0	137.0	9384	1382	8453	1277	6.7	4.7	100.0
OH CANTON	67	47	85.1	148.0	11032	2892	11092	2864	0.1	0.0	97.5
OH CHILLICOTHE	53	46	154.7	362.0	18653	1769	17836	1689	6.6	4.8	99.5
OH CINCINNATI	5	35	1000.0	305.0	31943	3036	27785	2835	0.0	0.0	99.4
OH CINCINNATI	9	10	15.4	305.0	23606	2609	23981	2781	8.3	5.3	92.7
OH CINCINNATI	12	31	839.3	305.0	27626	2572	25519	2800	0.3	0.1	96.9
OH CINCINNATI	48	34	50.0	326.0	18013	2267	17522	2170	2.9	2.6	99.1
OH CINCINNATI	64	33	95.5	337.0	21010	2751	20336	2719	0.0	0.0	99.7
OH CLEVELAND	3	2	9.3	305.0	27851	3824	28219	3783	0.0	0.0	90.7
OH CLEVELAND	5	15	1000.0	311.0	32803	4064	26249	3694	1.9	0.5	100.0
OH CLEVELAND	8	31	937.2	305.0	28382	3886	25576	3659	0.0	0.0	99.8
OH CLEVELAND	25	26	66.9	304.0	17099	3291	15343	3019	6.6	2.5	99.9
OH CLEVELAND	61	34	50.0	354.0	18152	3325	18024	3318	1.3	3.4	99.9
OH COLUMBUS	4	14	1000.0	274.0	29825	2326	20823	1872	0.1	0.5	99.9
OH COLUMBUS	6	13	40.8	286.0	24515	2056	22531	1855	0.0	0.0	96.3
OH COLUMBUS	10	21	897.9	271.0	25581	2069	22429	1915	11.7	8.8	99.6
OH COLUMBUS	28	36	65.8	293.0	17256	1672	16990	1675	2.5	2.7	97.7
OH COLUMBUS	34	38	50.0	329.0	16958	1672	16567	1642	2.5	1.6	99.8
OH DAYTON	2	50	1000.0	305.0	31600	3422	23541	3049	0.6	0.1	99.7
OH DAYTON	7	41	493.2	348.0	27263	3242	22628	3069	0.0	0.0	99.9
OH DAYTON	16	58	104.6	350.0	20293	2869	18568	2681	3.4	2.1	99.9
OH DAYTON	22	51	138.8	351.0	20578	2964	19726	2774	5.7	2.1	94.5
OH DAYTON	45	30	133.5	357.0	18639	2431	18391	2724	6.1	1.2	95.0
OH LIMA	35	20	50.0	165.0	10462	439	10054	433	2.7	4.2	100.0
OH LIMA	44	47	50.0	207.0	11873	480	11788	478	0.0	0.0	100.0
OH LORAIN	43	28	125.6	336.0	19371	3374	18868	3315	5.4	2.3	99.3
OH MANSFIELD	68	12	3.2	180.0	11703	560	11882	566	0.0	0.0	97.2
OH NEWARK	51	24	50.0	189.0	10379	1287	9830	1265	8.6	16.8	100.0
OH OXFORD	14	28	50.0	91.0	6062	1091	5898	1202	22.9	31.5	97.1
OH PORTSMOUTH	30	17	50.0	237.0	15306	537	14379	446	2.7	1.1	100.0
OH PORTSMOUTH	42	43	50.0	382.0	14521	456	14020	445	3.7	3.1	99.3
OH SANDUSKY	52	42	50.0	236.0	13436	657	13432	657	0.1	0.0	100.0
OH SHAKER HEIGHTS	19	10	3.6	351.0	18511	3396	18107	3086	17.1	3.6	88.9
OH SPRINGFIELD	26	18	50.0	149.0	11998	1308	11922	1299	2.0	2.6	99.6
OH STEUBENVILLE	9	57	1000.0	268.0	25596	3369	21576	2862	0.0	0.0	99.9

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					DURING TRANSITION		CURRENT SERVICE		NEW INTERFERENCE		
					AREA (Sq km)	PEOPLE (thous)	AREA (Sq km)	PEOPLE (thous)	AREA (% NL Area)	PEOPLE (% NL Pop)	
OH TOLEDO	11	17	543.6	305.0	28616	4266	26457	4003	0.0	0.0	100.0
OH TOLEDO	13	19	559.0	305.0	21300	2438	22248	2293	6.0	2.9	90.6
OH TOLEDO	24	49	315.8	424.0	23784	2278	23321	2257	6.2	2.1	100.0
OH TOLEDO	30	29	50.0	314.0	16186	1774	16109	1767	4.5	2.9	100.0
OH TOLEDO	36	46	66.2	372.0	17224	1402	17031	1398	5.7	2.0	100.0
OH TOLEDO	40	5	1.0	174.0	10435	925	11127	958	9.6	2.7	93.7
OH YOUNGSTOWN	21	20	147.0	302.0	20889	2676	19013	1952	3.6	4.4	99.8
OH YOUNGSTOWN	27	41	50.0	436.0	19743	2533	19241	2366	1.9	4.9	99.2
OH YOUNGSTOWN	33	36	50.0	177.0	11361	1212	11212	1190	5.6	4.9	100.0
OH ZANESVILLE	18	40	50.0	162.0	10820	399	10509	384	2.1	5.0	100.0
OK ADA	10	26	642.3	445.0	36091	448	32152	390	0.0	0.0	100.0
OK BARTLESVILLE	17	15	152.9	316.0	16167	791	15901	782	0.0	0.0	97.6
OK CHEYENNE	12	8	15.7	299.0	26702	90	23103	77	0.0	0.0	100.0
OK CLAREMORE	35	36	79.0	256.0	14049	786	14037	786	0.7	0.7	99.9
OK ENID	20	18	50.0	136.0	7094	71	7094	71	0.0	0.0	100.0
OK EUFAULA	3	31	1000.0	399.0	34996	656	25056	348	0.0	0.0	98.8
OK LAWTON	7	23	605.3	320.0	27415	384	26852	378	0.0	0.0	93.8
OK OKLAHOMA CITY	4	27	1000.0	469.0	42440	1352	38465	1290	0.0	0.0	99.1
OK OKLAHOMA CITY	5	16	1000.0	464.0	39681	1316	33032	1235	0.4	0.1	100.0
OK OKLAHOMA CITY	9	39	840.8	465.0	37311	1296	33951	1267	0.6	0.2	100.0
OK OKLAHOMA CITY	13	32	731.3	465.0	37597	1299	32294	1233	0.0	0.0	100.0
OK OKLAHOMA CITY	14	15	50.0	344.0	15252	1008	17082	1060	0.8	0.1	89.2
OK OKLAHOMA CITY	25	24	130.8	469.0	25445	1151	25388	1151	0.0	0.0	100.0
OK OKLAHOMA CITY	34	33	50.0	369.0	16799	1038	18533	1078	0.3	0.2	90.5
OK OKLAHOMA CITY	43	42	57.7	475.0	23167	1123	23352	1128	2.2	0.8	98.6
OK OKLAHOMA CITY	52	51	50.0	183.0	11406	980	11642	992	0.0	0.0	97.4
OK OKLAHOMA CITY	62	50	50.0	240.0	14486	1002	14607	1004	0.0	0.0	98.8
OK OKMULGEE	44	28	133.8	277.0	15920	821	15326	816	0.3	0.1	100.0
OK SHAWNEE	30	29	207.4	255.0	20211	1092	19843	1087	0.8	0.6	100.0
OK TULSA	2	56	1000.0	558.0	46668	1242	39680	1155	0.0	0.0	99.7
OK TULSA	6	55	1000.0	573.0	47667	1267	38333	1100	0.0	0.0	99.8
OK TULSA	8	58	1000.0	578.0	42260	1170	36166	1095	0.0	0.0	100.0
OK TULSA	11	38	838.3	521.0	39756	1140	35069	1080	0.0	0.0	99.5
OK TULSA	23	22	129.2	399.0	25825	990	25477	988	0.9	0.3	100.0
OK TULSA	41	42	50.0	460.0	20869	913	20817	913	0.0	0.0	97.5
OK TULSA	47	48	50.0	460.0	18322	876	17256	866	0.0	0.0	99.9
OK TULSA	53	49	50.0	182.0	11957	763	11952	763	0.3	0.0	98.0
OR BEND	3	11	20.1	227.0	19106	104	22110	104	0.0	0.0	86.4

STATE AND CITY	DIGITAL TELEVISION SERVICE						EXISTING NTSC				DTV/ NTSC AREA MATCH (%)
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OR BEND	21	18	50.0	197.0	6180	86	5596	83	0.0	0.0	100.0
OR COOS BAY	11	21	50.0	192.0	9207	67	8895	63	0.0	0.0	99.5
OR COOS BAY	23	22	50.0	190.0	3059	56	2667	52	0.6	0.2	99.7
OR CORVALLIS	7	39	1000.0	375.0	24328	917	23686	848	0.0	0.0	97.6
OR EUGENE	9	14	547.9	539.0	32350	680	28911	574	0.0	0.0	99.7
OR EUGENE	13	25	629.7	451.0	27781	593	25081	519	0.0	0.0	99.9
OR EUGENE	16	17	72.7	512.0	18041	420	17099	415	0.5	0.1	99.8
OR EUGENE	28	29	50.0	276.0	8602	343	7830	333	1.2	0.2	100.0
OR EUGENE	34	31	97.6	259.0	9072	382	8740	379	0.0	0.0	100.0
OR KLAMATH FALLS	2	40	1000.0	671.0	35666	86	44515	159	0.0	0.0	79.4
OR KLAMATH FALLS	22	33	50.0	656.0	7845	56	6265	55	0.0	0.0	100.0
OR KLAMATH FALLS	31	29	50.0	691.0	5471	55	4555	54	0.0	0.0	100.0
OR LA GRANDE	13	5	1.0	787.0	21321	76	14506	39	0.9	0.2	100.0
OR MEDFORD	5	15	664.3	823.0	38563	341	44981	370	0.0	0.0	85.7
OR MEDFORD	8	42	550.4	818.0	31908	308	32810	322	0.0	0.0	95.5
OR MEDFORD	10	35	309.7	1009.0	33858	276	34402	277	0.0	0.0	97.5
OR MEDFORD	12	38	510.0	823.0	32605	310	31335	314	0.0	0.0	98.7
OR MEDFORD	26	27	50.0	428.0	6395	161	5790	151	0.0	0.0	100.0
OR PENDLETON	11	8	22.0	472.0	30046	267	28921	260	0.1	0.0	99.2
OR PORTLAND	2	43	1000.0	475.0	30189	1998	35413	2000	0.0	0.0	84.8
OR PORTLAND	6	40	1000.0	533.0	30619	1892	36086	2002	0.0	0.0	84.5
OR PORTLAND	8	46	1000.0	539.0	29454	1981	27469	1845	0.4	0.0	98.0
OR PORTLAND	10	27	675.5	530.0	29878	1962	28520	1882	0.0	0.0	99.8
OR PORTLAND	12	30	735.3	543.0	30042	1959	28256	1882	0.0	0.0	99.8
OR PORTLAND	24	45	160.7	463.0	17258	1710	17370	1762	0.5	0.1	95.0
OR ROSEBURG	4	19	50.0	305.0	10683	87	12503	98	0.0	0.0	85.4
OR ROSEBURG	36	18	50.0	211.0	3812	69	2997	62	0.0	0.0	98.8
OR ROSEBURG	46	45	50.0	109.0	2111	65	1700	60	0.7	0.4	100.0
OR SALEM	22	20	54.6	363.0	18188	1839	16795	1405	0.0	0.0	100.0
OR SALEM	32	33	256.8	544.0	24262	1922	23053	1826	0.4	1.1	100.0
PA ALLENTOWN	39	62	50.0	302.0	11219	2237	11343	2543	5.5	11.9	96.2
PA ALLENTOWN	69	46	50.0	313.0	11155	2084	9892	1919	2.5	7.8	99.8
PA ALTOONA	10	32	1000.0	338.0	21871	796	20969	764	0.0	0.0	98.1
PA ALTOONA	23	24	50.0	324.0	7008	344	5674	289	0.6	0.0	100.0
PA ALTOONA	47	46	50.0	308.0	12472	576	11515	530	1.5	0.3	100.0
PA BETHLEHEM	60	59	67.4	284.0	10914	3323	10389	2283	0.9	2.6	95.6
PA CLEARFIELD	3	15	1000.0	268.0	27149	731	25059	691	0.0	0.0	97.3
PA ERIE	12	52	1000.0	305.0	27852	731	24477	671	0.0	0.0	100.0
PA ERIE	24	58	50.0	290.0	13453	464	13321	456	0.0	0.0	99.8

STATE AND CITY	DIGITAL TELEVISION SERVICE						EXISTING NTSC				DTV/ NTSC AREA MATCH (%)
	NTSC CHAN	DTV CHAN	DTV POWER (kW)	ANTENNA HAAT (m)	DURING TRANSITION		CURRENT SERVICE		NEW INTERFERENCE		
					AREA (Sq km)	PEOPLE (thous)	AREA (Sq km)	PEOPLE (thous)	AREA (% NL Area)	PEOPLE (% NL Pop)	
PA ERIE	35	16	50.0	287.0	11280	432	11012	422	0.3	0.3	100.0
PA ERIE	54	50	50.0	268.0	13301	442	13006	426	0.1	0.1	100.0
PA ERIE	66	22	50.0	271.0	10828	414	10264	396	0.0	0.0	100.0
PA GREENSBURG	40	50	50.0	299.0	13058	2424	13820	2528	1.2	3.1	92.4
PA HARRISBURG	21	4	1.0	372.0	17633	1864	16062	1741	3.0	3.3	96.2
PA HARRISBURG	27	57	115.5	346.0	13200	1309	15276	1653	9.4	7.1	85.3
PA HARRISBURG	33	36	50.0	427.0	16220	1774	16987	1804	3.3	1.9	92.8
PA HAZLETON	56	9	3.2	329.0	11237	794	8230	489	1.9	0.6	99.7
PA JOHNSTOWN	6	34	1000.0	341.0	27271	2717	27752	2648	0.0	0.0	94.3
PA JOHNSTOWN	8	29	662.0	368.0	21527	2628	18655	2234	0.0	0.0	99.3
PA JOHNSTOWN	19	30	162.1	325.0	17170	2422	16346	2044	0.3	0.4	97.4
PA LANCASTER	8	58	382.7	415.0	21401	2864	21703	2785	1.3	1.1	94.0
PA LANCASTER	15	23	50.0	415.0	17230	2072	17386	2079	9.7	7.5	95.0
PA PHILADELPHIA	3	26	1000.0	305.0	31386	9263	25543	7578	0.0	0.0	98.9
PA PHILADELPHIA	6	64	1000.0	332.0	30479	9176	27031	7747	0.0	0.0	97.3
PA PHILADELPHIA	10	67	791.8	354.0	25161	8072	23491	7190	0.4	0.3	95.5
PA PHILADELPHIA	17	54	172.0	320.0	18786	6675	19964	6768	0.4	0.4	92.8
PA PHILADELPHIA	29	42	273.3	347.0	22158	7212	23279	7499	15.2	10.0	92.7
PA PHILADELPHIA	35	34	50.0	284.0	11498	5617	11619	5690	1.1	1.6	97.5
PA PHILADELPHIA	57	32	108.6	353.0	16275	6365	15698	6210	2.7	0.7	99.1
PA PITTSBURGH	2	25	1000.0	302.0	28831	3488	26900	3339	7.7	5.2	97.3
PA PITTSBURGH	4	51	1000.0	293.0	27941	3209	24960	3089	0.0	0.0	97.0
PA PITTSBURGH	11	48	1000.0	302.0	26332	3429	23126	3090	0.0	0.0	99.9
PA PITTSBURGH	13	38	1000.0	210.0	23083	3079	20243	2892	1.0	0.3	100.0
PA PITTSBURGH	16	26	50.0	215.0	11220	2353	12154	2493	1.1	0.2	90.5
PA PITTSBURGH	22	42	330.8	280.0	15791	2649	14380	2580	0.6	0.4	98.4
PA PITTSBURGH	53	43	51.9	312.0	16273	2744	16057	2729	3.3	1.6	99.0
PA READING	51	25	120.0	395.0	14707	3607	16585	5176	5.1	5.0	84.9
PA RED LION	49	30	50.0	177.0	9595	1498	8685	1319	5.6	7.2	99.1
PA SCRANTON	16	49	73.5	506.0	18628	1383	18311	1353	0.4	0.5	97.6
PA SCRANTON	22	13	4.3	505.0	22657	1671	21186	1555	1.4	1.5	97.4
PA SCRANTON	38	31	50.0	385.0	14891	855	13968	817	6.0	3.2	98.8
PA SCRANTON	44	41	50.0	509.0	15873	1209	14479	1057	3.4	6.1	99.0
PA SCRANTON	64	32	50.0	374.0	3270	481	2498	441	4.2	0.4	100.0
PA WILKES-BARRE	28	11	3.7	509.0	22448	1642	21831	1618	6.7	9.6	95.8
PA WILLIAMSPORT	53	29	50.0	222.0	3514	156	2437	121	0.0	0.0	100.0
PA YORK	43	47	225.5	417.0	18468	2298	18552	2529	7.3	12.6	96.1
RI BLOCK ISLAND	69	17	50.0	213.0	11722	1628	11291	1552	0.0	0.0	100.0

STATE AND CITY	NTSC CHAN	DTV CHAN	DTV POWER (kW)	ANTENNA HAAT (m)	DIGITAL TELEVISION SERVICE		EXISTING NTSC				DTV/ NTSC AREA MATCH (%)
					DURING TRANSITION		CURRENT SERVICE		NEW INTERFERENCE		
					AREA (Sq km)	PEOPLE (thous)	AREA (Sq km)	PEOPLE (thous)	AREA (% NL Area)	PEOPLE (% NL Pop)	
RI PROVIDENCE	10	51	1000.0	305.0	27786	6170	23550	5267	11.2	3.0	100.0
RI PROVIDENCE	12	13	15.3	305.0	26516	5943	25661	5488	8.4	2.5	99.2
RI PROVIDENCE	36	21	50.0	182.0	10571	2351	11133	2569	8.0	3.2	93.6
RI PROVIDENCE	64	54	92.6	315.0	14609	3667	13709	2800	0.0	0.0	99.6
SC ALLENDALE	14	33	50.0	244.0	13632	364	13573	358	1.3	2.0	99.8
SC ANDERSON	40	14	50.0	311.0	15464	1025	14654	984	0.1	0.0	99.5
SC BEAUFORT	16	44	50.0	390.0	19731	670	19643	670	1.2	0.9	100.0
SC CHARLESTON	2	59	1000.0	594.0	50697	985	45904	819	0.0	0.0	100.0
SC CHARLESTON	4	53	1000.0	597.0	51379	974	41971	713	0.0	0.0	100.0
SC CHARLESTON	5	52	1000.0	597.0	51423	987	46921	835	0.0	0.0	100.0
SC CHARLESTON	7	49	1000.0	564.0	33353	825	30920	757	0.0	0.0	100.0
SC CHARLESTON	24	40	329.2	542.0	29291	697	27779	655	0.0	0.0	100.0
SC CHARLESTON	36	35	97.7	256.0	14028	502	14020	502	0.0	0.0	100.0
SC COLUMBIA	10	41	874.0	472.0	36808	1452	33424	1229	0.8	0.2	96.9
SC COLUMBIA	19	17	232.0	533.0	28744	1051	27875	1020	0.2	0.0	99.4
SC COLUMBIA	25	8	3.2	253.0	16297	769	15619	757	14.0	5.1	97.1
SC COLUMBIA	35	32	50.0	314.0	14227	726	14039	721	9.8	4.2	99.8
SC COLUMBIA	57	48	109.7	193.0	13082	714	13074	714	20.3	6.4	99.9
SC CONWAY	23	58	85.1	250.0	16081	450	15408	427	0.5	0.3	100.0
SC FLORENCE	13	56	1000.0	594.0	43246	1416	38937	1320	0.0	0.0	100.0
SC FLORENCE	15	16	50.0	594.0	29016	1066	28884	1054	2.7	2.6	99.8
SC FLORENCE	21	20	73.8	567.0	22692	787	22073	775	0.1	0.1	99.9
SC FLORENCE	33	45	50.0	241.0	12380	382	12120	379	1.0	0.6	100.0
SC GREENVILLE	4	59	1000.0	610.0	41044	1886	39428	1774	0.0	0.0	92.0
SC GREENVILLE	16	35	50.0	351.0	16128	1098	16413	1105	0.3	0.1	97.2
SC GREENVILLE	29	9	5.1	392.0	18622	1164	19313	1191	0.5	0.3	92.9
SC GREENWOOD	38	18	50.0	235.0	14183	772	14390	764	0.4	0.4	97.9
SC HARDEEVILLE	28	27	226.7	457.0	24859	570	24815	568	0.2	0.0	100.0
SC MYRTLE BEACH	43	18	124.6	463.0	25516	758	25592	760	0.0	0.1	99.7
SC ROCK HILL	30	15	50.0	210.0	11306	1017	11334	1006	6.5	6.5	95.6
SC ROCK HILL	55	39	147.1	570.0	30046	2244	29164	2209	6.1	3.8	99.6
SC SPARTANBURG	7	53	1000.0	610.0	38918	2224	38650	2204	0.0	0.0	97.5
SC SPARTANBURG	49	43	50.0	296.0	15798	1060	15059	977	2.7	1.7	99.9
SC SUMTER	27	28	50.0	354.0	17101	715	16471	529	3.2	1.2	100.0
SC SUMTER	63	38	50.0	165.0	2186	116	2118	115	0.0	0.0	100.0
SD ABERDEEN	9	28	672.0	427.0	34180	131	28565	112	0.0	0.0	100.0
SD ABERDEEN	16	17	50.0	357.0	20455	75	20039	71	0.0	0.0	100.0
SD BROOKINGS	8	18	801.6	229.0	24013	139	20117	127	0.7	2.6	100.0

STATE AND CITY	DIGITAL TELEVISION SERVICE						EXISTING NTSC				DTV/ NTSC AREA MATCH (%)
	NTSC CHAN	DTV CHAN	DTV POWER (kW)	ANTENNA HAAT (m)	DURING TRANSITION		CURRENT SERVICE		NEW INTERFERENCE		
					AREA (Sq km)	PEOPLE (thous)	AREA (Sq km)	PEOPLE (thous)	AREA (% NL Area)	PEOPLE (% NL Pop)	
SD EAGLE BUTTE	13	25	660.8	518.0	39363	20	34778	17	0.0	0.0	100.0
SD FLORENCE	3	25	1000.0	512.0	44498	192	44067	198	0.0	0.0	97.0
SD HURON	12	22	979.2	259.0	25074	80	21367	69	0.0	0.0	99.3
SD LEAD	5	29	1000.0	564.0	42705	145	43909	149	0.0	0.0	94.1
SD LEAD	11	30	793.0	576.0	40395	145	38672	144	0.0	0.0	99.7
SD LOWRY	11	15	368.5	317.0	27749	29	21318	24	0.0	0.0	100.0
SD MARTIN	8	23	1000.0	265.0	25911	29	23533	27	0.0	0.0	100.0
SD MITCHELL	5	26	1000.0	460.0	40741	373	38297	340	0.0	0.0	96.5
SD PIERRE	4	19	1000.0	378.0	36571	51	32608	46	0.0	0.0	99.9
SD PIERRE	10	21	586.1	488.0	35323	58	32008	55	0.0	0.0	99.3
SD RAPID CITY	3	22	1000.0	201.0	23926	126	23814	128	0.0	0.0	95.6
SD RAPID CITY	7	18	945.5	204.0	20618	122	18203	118	0.0	0.0	99.9
SD RAPID CITY	9	26	76.3	202.0	13922	106	13113	106	0.0	0.0	99.4
SD RAPID CITY	15	16	50.0	155.0	10537	103	10141	98	3.5	0.3	100.0
SD RELIANCE	6	14	1000.0	338.0	34748	59	32119	56	0.0	0.0	99.6
SD SIOUX FALLS	11	32	819.1	610.0	43499	531	34181	412	0.0	0.0	100.0
SD SIOUX FALLS	13	29	769.2	610.0	41744	447	35241	417	0.0	0.0	98.1
SD SIOUX FALLS	17	7	3.2	151.0	6670	160	6618	159	2.6	3.5	100.0
SD SIOUX FALLS	23	24	50.0	54.0	1623	122	1623	122	0.2	0.0	100.0
SD SIOUX FALLS	36	40	50.0	293.0	15246	228	15226	228	1.5	0.9	99.9
SD SIOUX FALLS	46	47	154.0	607.0	32796	387	31976	377	0.0	0.0	100.0
SD VERMILLION	2	34	1000.0	232.0	29218	441	28686	434	0.0	0.0	99.8
TN CHATTANOOGA	3	55	1000.0	320.0	26184	1033	27338	1025	0.0	0.0	90.3
TN CHATTANOOGA	9	35	1000.0	317.0	24577	993	21972	892	0.0	0.0	99.7
TN CHATTANOOGA	12	47	1000.0	384.0	27223	1041	25944	1001	0.0	0.0	98.0
TN CHATTANOOGA	45	29	50.0	329.0	15572	752	14511	722	0.8	1.0	100.0
TN CHATTANOOGA	61	40	127.3	370.0	13957	723	13584	702	0.0	0.0	99.0
TN CLEVELAND	53	42	50.0	356.0	11706	709	11072	686	2.8	2.2	99.9
TN COOKEVILLE	22	52	73.5	425.0	19872	346	19688	347	1.6	1.7	99.6
TN COOKEVILLE	28	36	50.0	279.0	10675	200	9879	192	4.3	2.8	100.0
TN CROSSVILLE	20	50	355.9	738.0	34644	1251	33955	1230	0.2	0.1	99.3
TN GREENEVILLE	39	38	129.8	802.0	20934	1058	19728	970	1.3	1.0	99.7
TN HENDERSONVILLE	50	51	140.6	235.0	11900	996	11660	966	4.2	1.9	99.6
TN JACKSON	7	43	920.0	323.0	29202	565	25511	510	0.0	0.0	100.0
TN JACKSON	16	39	336.3	322.0	20258	451	20105	449	0.9	0.5	99.8
TN JELICO	54	23	50.0	395.0	4856	221	3759	163	0.0	0.0	100.0
TN JOHNSON CITY	11	58	980.9	707.0	29717	1064	29358	1028	0.0	0.0	95.5
TN KINGSPORT	19	27	54.3	707.0	18226	695	18524	709	0.4	0.2	96.2
TN KNOXVILLE	6	26	1000.0	454.0	32436	1194	33026	1181	0.0	0.0	92.2

STATE AND CITY	NTSC CHAN	DTV CHAN	DTV POWER (kW)	ANTENNA HAAT (m)	DIGITAL TELEVISION SERVICE		EXISTING NTSC				DTV/NTSC AREA MATCH (%)
					DURING TRANSITION		CURRENT SERVICE		NEW INTERFERENCE		
					AREA (Sq km)	PEOPLE (thous)	AREA (Sq km)	PEOPLE (thous)	AREA (% NL Area)	PEOPLE (% NL Pop)	
TN KNOXVILLE	8	30	663.5	382.0	19804	936	19888	941	0.0	0.0	95.0
TN KNOXVILLE	10	31	767.9	546.0	32432	1194	29785	1101	3.0	1.7	98.9
TN KNOXVILLE	15	17	92.1	513.0	19946	930	19520	922	0.6	0.3	99.8
TN KNOXVILLE	43	34	50.3	351.0	13921	812	13576	800	2.0	2.7	99.5
TN LEBANON	66	44	50.0	161.0	8926	919	8313	866	0.0	0.0	100.0
TN LEXINGTON	11	47	1000.0	195.0	23549	474	20401	417	0.0	0.0	100.0
TN MEMPHIS	3	28	1000.0	305.0	33403	1443	24845	1287	0.0	0.0	99.9
TN MEMPHIS	5	52	1000.0	308.0	32952	1427	29582	1379	0.0	0.0	99.3
TN MEMPHIS	10	29	670.8	329.0	29711	1364	24952	1276	1.6	0.5	100.0
TN MEMPHIS	13	53	1000.0	308.0	28576	1343	25719	1304	0.0	0.0	100.0
TN MEMPHIS	24	25	111.4	308.0	20834	1195	20718	1193	0.0	0.0	100.0
TN MEMPHIS	30	31	207.6	305.0	17506	1124	17330	1123	0.7	0.2	99.9
TN MEMPHIS	50	51	50.0	315.0	14801	1118	15581	1129	0.4	0.1	94.6
TN MURFREESBORO	39	38	183.2	250.0	15043	1090	14421	1066	3.5	2.5	100.0
TN NASHVILLE	2	27	1000.0	411.0	37573	1658	32297	1472	0.0	0.0	99.5
TN NASHVILLE	4	10	39.7	434.0	36718	1612	34521	1561	0.0	0.0	98.4
TN NASHVILLE	5	56	1000.0	425.0	37265	1656	33627	1569	0.0	0.0	99.0
TN NASHVILLE	8	46	936.5	390.0	31852	1496	28879	1420	0.0	0.0	100.0
TN NASHVILLE	17	15	121.8	354.0	23686	1338	23718	1337	1.3	0.5	99.2
TN NASHVILLE	30	21	183.0	430.0	23658	1364	23658	1364	1.9	2.6	98.5
TN NASHVILLE	58	23	52.6	240.0	13345	1075	13084	1067	4.1	3.6	100.0
TN SNEEDVILLE	2	41	1000.0	536.0	36323	1629	38851	1659	0.0	0.0	90.1
TX ABILENE	9	29	1000.0	259.0	26409	221	19985	205	4.5	3.3	100.0
TX ABILENE	32	24	50.0	287.0	17234	182	17206	182	0.7	0.2	100.0
TX ALVIN	67	36	107.6	543.0	19402	3615	22591	3738	0.1	0.0	85.9
TX AMARILLO	2	21	1000.0	401.0	38166	317	36338	310	0.0	0.0	99.9
TX AMARILLO	4	19	1000.0	433.0	40439	325	39077	324	0.0	0.0	100.0
TX AMARILLO	7	23	631.8	518.0	38673	315	35708	316	0.0	0.0	99.2
TX AMARILLO	10	9	20.8	466.0	36500	313	33165	304	0.0	0.0	100.0
TX AMARILLO	14	15	50.0	464.0	24095	285	23951	285	0.0	0.0	100.0
TX ARLINGTON	68	42	105.6	360.0	14497	3771	17975	3879	0.0	0.0	80.5
TX AUSTIN	7	56	1000.0	384.0	30828	1245	30089	1269	0.0	0.0	97.1
TX AUSTIN	18	22	66.7	335.0	18312	904	18352	904	4.3	0.8	98.8
TX AUSTIN	24	33	81.4	387.0	22472	997	20626	965	1.7	0.2	100.0
TX AUSTIN	36	21	158.2	374.0	25028	1084	23977	1044	0.1	0.0	99.9
TX AUSTIN	42	43	82.7	393.0	17588	911	16501	878	0.6	0.0	99.8
TX AUSTIN	54	49	177.6	374.0	21850	948	21914	1005	6.2	6.6	93.2
TX BAYTOWN	57	41	144.4	585.0	26201	3625	26197	3625	0.0	0.0	100.0

STATE AND CITY	DIGITAL TELEVISION SERVICE						EXISTING NTSC				DTV/ NTSC AREA MATCH (%)
	NTSC CHAN	DTV CHAN	DTV POWER (kW)	ANTENNA HAAT (m)	DURING TRANSITION		CURRENT SERVICE		NEW INTERFERENCE		
					AREA (Sq km)	PEOPLE (thous)	AREA (Sq km)	PEOPLE (thous)	AREA (% NL Area)	PEOPLE (% NL Pop)	
TX BEAUMONT	6	21	1000.0	293.0	32847	702	28386	640	0.0	0.0	100.0
TX BEAUMONT	12	50	1000.0	305.0	26741	650	23716	603	0.0	0.0	100.0
TX BEAUMONT	34	33	50.0	312.0	13852	541	13852	541	0.0	0.0	100.0
TX BELTON	46	47	50.0	384.0	15417	611	14824	547	1.3	0.3	100.0
TX BIG SPRING	4	33	136.0	116.0	12023	55	11902	55	0.0	0.0	99.9
TX BROWNSVILLE	23	24	100.0	445.0	19570	667	19566	667	0.0	0.0	100.0
TX BRYAN	3	59	1000.0	515.0	42756	2830	30202	522	0.0	0.0	100.0
TX BRYAN	28	29	50.0	220.0	12694	224	12742	224	0.4	0.1	99.6
TX COLLEGE STATION	15	12	3.2	119.0	4071	137	4071	137	0.0	0.0	100.0
TX CONROE	49	5	1.0	359.0	15427	3326	13430	2266	0.1	0.0	99.7
TX CONROE	55	42	155.3	570.0	31654	3838	31975	3838	3.5	0.3	98.5
TX CORPUS CHRISTI	3	47	1000.0	262.0	31435	490	30486	488	0.0	0.0	100.0
TX CORPUS CHRISTI	6	50	1000.0	291.0	28932	493	28236	490	0.0	0.0	100.0
TX CORPUS CHRISTI	10	18	631.2	287.0	27969	493	27637	491	0.0	0.0	100.0
TX CORPUS CHRISTI	16	23	50.0	296.0	15085	447	15085	447	0.0	0.0	100.0
TX CORPUS CHRISTI	28	27	50.0	232.0	10892	419	10892	419	0.0	0.0	100.0
TX DALLAS	4	35	1000.0	511.0	45408	4395	40690	4278	0.0	0.0	100.0
TX DALLAS	8	9	21.5	512.0	38703	4202	35954	4161	0.0	0.0	99.9
TX DALLAS	13	14	484.6	469.0	37811	4200	34201	4145	0.0	0.0	100.0
TX DALLAS	27	36	280.2	515.0	26874	4049	27151	4058	2.0	0.2	98.6
TX DALLAS	33	32	218.7	518.0	26899	4047	26714	4044	0.1	0.0	99.8
TX DALLAS	39	40	221.3	512.0	31240	4093	31248	4095	0.6	0.0	99.0
TX DALLAS	58	45	154.3	438.0	21176	3939	21140	3939	0.0	0.0	99.7
TX DECATUR	29	30	99.3	160.0	12473	3741	11916	3713	1.1	0.1	99.9
TX DEL RIO	10	28	1000.0	100.0	7805	47	7493	47	0.0	0.0	100.0
TX DENTON	2	43	1000.0	412.0	38925	4212	36831	4176	0.0	0.0	99.8
TX EAGLE PASS	16	18	50.0	85.0	2385	36	2385	36	0.0	0.0	100.0
TX EL PASO	4	18	1000.0	475.0	39024	722	39212	722	0.0	0.0	98.3
TX EL PASO	7	17	1000.0	265.0	22864	721	23481	722	0.0	0.0	91.1
TX EL PASO	9	16	650.3	582.0	40320	724	37215	723	0.0	0.0	99.9
TX EL PASO	13	30	1000.0	265.0	23268	720	21850	720	0.0	0.0	100.0
TX EL PASO	14	15	50.0	604.0	21194	719	19668	720	0.1	0.1	98.5
TX EL PASO	26	25	71.0	457.0	16234	717	16029	717	0.0	0.0	99.8
TX EL PASO	38	39	50.0	557.0	8401	628	7981	628	0.0	0.0	100.0
TX EL PASO	65	51	50.0	557.0	15868	703	15091	703	0.0	0.0	100.0
TX FORT WORTH	5	41	1000.0	514.0	45441	4404	39610	4227	0.0	0.0	100.0
TX FORT WORTH	11	19	552.2	509.0	39460	4217	34825	4150	1.0	0.1	100.0
TX FORT WORTH	21	18	220.0	503.0	26985	4045	27744	4053	0.9	0.1	97.1

STATE AND CITY	DIGITAL TELEVISION SERVICE						EXISTING NTSC				DTV/ NTSC AREA MATCH (%)
	NTSC CHAN	DTV CHAN	DTV POWER (kW)	ANTENNA HAAT (m)	DURING TRANSITION		CURRENT SERVICE		NEW INTERFERENCE		
					AREA (Sq km)	PEOPLE (thous)	AREA (Sq km)	PEOPLE (thous)	AREA (% NL Area)	PEOPLE (% NL Pop)	
TX FORT WORTH	52	51	172.9	328.0	14497	3809	14188	3802	0.0	0.0	99.9
TX GALVESTON	22	23	246.6	566.0	30569	3689	30801	3696	0.0	0.0	99.2
TX GALVESTON	48	47	168.1	358.0	18400	3461	18133	3350	0.0	0.0	99.8
TX GARLAND	23	24	172.9	348.0	12957	3159	12589	3047	1.7	0.4	100.0
TX GREENVILLE	47	46	50.0	155.0	2533	70	2533	70	0.0	0.0	100.0
TX HARLINGEN	4	31	1000.0	396.0	38632	687	36762	686	0.0	0.0	100.0
TX HARLINGEN	44	34	50.0	296.0	13869	657	13869	657	0.0	0.0	100.0
TX HARLINGEN	60	38	50.0	372.0	14082	661	14082	661	0.0	0.0	100.0
TX HOUSTON	2	35	1000.0	588.0	50318	3934	44930	3865	0.0	0.0	100.0
TX HOUSTON	8	9	8.4	564.0	36969	3852	37240	3850	0.3	0.0	98.4
TX HOUSTON	11	31	785.4	570.0	44526	3901	42875	3879	0.0	0.0	100.0
TX HOUSTON	13	32	796.8	588.0	44297	3900	41721	3870	0.0	0.0	100.0
TX HOUSTON	14	24	277.1	438.0	25772	3782	25619	3781	0.1	0.0	100.0
TX HOUSTON	20	19	239.0	552.0	27880	3788	27863	3788	0.6	0.1	100.0
TX HOUSTON	26	27	239.1	594.0	31352	3825	31101	3816	0.4	0.1	100.0
TX HOUSTON	39	38	208.4	594.0	27711	3779	27530	3776	0.0	0.0	100.0
TX HOUSTON	61	44	122.2	429.0	20486	3695	20482	3695	0.0	0.0	100.0
TX IRVING	49	48	181.4	365.0	19464	3910	19323	3907	0.5	0.2	100.0
TX JACKSONVILLE	56	22	101.2	482.0	19968	553	19872	552	2.3	2.7	99.9
TX KATY	51	52	70.9	500.0	20118	3688	20050	3687	0.0	0.0	100.0
TX KERRVILLE	35	32	207.4	536.0	23092	1416	22701	1411	1.6	1.4	99.8
TX KILLEEN	62	23	50.0	408.0	16884	540	16864	540	0.0	0.0	99.4
TX LAKE DALLAS	55	54	70.7	142.0	10413	3602	10253	3565	0.0	0.0	100.0
TX LAREDO	8	15	526.4	312.0	26393	140	25684	137	0.0	0.0	99.9
TX LAREDO	13	14	143.5	280.0	19978	143	20347	143	8.6	5.3	95.8
TX LAREDO	27	19	81.0	67.0	6996	132	6972	132	0.0	0.0	100.0
TX LLANO	14	27	174.1	269.0	18908	236	17301	119	6.9	4.9	99.9
TX LONGVIEW	51	31	113.7	381.0	17497	533	17275	521	0.6	0.4	99.9
TX LUBBOCK	5	39	1000.0	226.0	28330	364	28269	364	0.0	0.0	99.6
TX LUBBOCK	11	43	1000.0	232.0	25326	351	24403	349	1.8	0.3	100.0
TX LUBBOCK	13	40	1000.0	268.0	25082	342	24059	342	0.0	0.0	100.0
TX LUBBOCK	16	25	50.0	83.0	5191	235	5179	235	0.3	0.0	100.0
TX LUBBOCK	28	27	52.7	256.0	16287	300	16194	300	1.3	0.0	100.0
TX LUBBOCK	34	35	121.0	256.0	15048	295	14980	295	0.0	0.0	100.0
TX LUFKIN	9	43	813.3	204.0	18032	223	16010	206	3.6	5.0	100.0
TX MCALLEN	48	46	80.1	288.0	14991	658	14959	656	0.0	0.0	100.0
TX MIDLAND	2	26	1000.0	323.0	34576	345	33060	341	0.0	0.0	100.0
TX NACOGDOCHES	19	18	50.0	222.0	8477	141	8445	140	6.7	3.1	100.0
TX ODESSA	7	31	1000.0	226.0	25478	279	25006	278	0.0	0.0	100.0

STATE AND CITY	DIGITAL TELEVISION SERVICE						EXISTING NTSC				DTV/ NTSC AREA MATCH (%)
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					AREA (Sq km)	PEOPLE (thous)	AREA (Sq km)	PEOPLE (thous)	AREA (% NL Area)	PEOPLE (% NL Pop)	
TX ODESSA	9	15	486.4	387.0	33018	325	29562	297	0.0	0.0	100.0
TX ODESSA	24	23	99.8	335.0	18882	289	18874	289	0.8	0.0	100.0
TX ODESSA	36	22	50.0	88.0	4555	225	4823	225	0.0	0.0	94.4
TX ODESSA	42	43	50.0	146.0	7035	243	7435	243	0.0	0.0	94.6
TX PORT ARTHUR	4	40	1000.0	360.0	36385	778	32998	763	0.0	0.0	99.7
TX RIO GRANDE CITY	40	20	50.0	113.0	10336	106	10328	106	0.0	0.0	100.0
TX ROSENBERG	45	46	65.7	439.0	19437	3656	19380	3655	0.0	0.0	100.0
TX SAN ANGELO	3	16	204.5	183.0	17390	120	16339	119	0.0	0.0	100.0
TX SAN ANGELO	6	19	1000.0	277.0	30653	140	26403	127	0.0	0.0	99.5
TX SAN ANGELO	8	11	18.8	442.0	32951	154	29799	148	0.0	0.0	99.4
TX SAN ANTONIO	4	58	1000.0	451.0	40688	1703	37111	1591	0.0	0.0	99.4
TX SAN ANTONIO	5	55	1000.0	424.0	37732	1587	36112	1588	0.0	0.0	97.5
TX SAN ANTONIO	9	20	827.3	283.0	26936	1510	25660	1499	0.6	0.3	99.6
TX SAN ANTONIO	12	48	989.1	451.0	35839	1572	34879	1571	0.5	0.4	99.0
TX SAN ANTONIO	23	16	50.0	261.0	11425	1363	11306	1362	1.2	0.2	99.9
TX SAN ANTONIO	29	30	231.8	443.0	23843	1505	23364	1497	0.3	0.1	100.0
TX SAN ANTONIO	41	39	196.8	432.0	22602	1488	22090	1466	0.0	0.0	100.0
TX SAN ANTONIO	60	38	125.6	456.0	19327	1465	18560	1454	0.0	0.0	100.0
TX SHERMAN	12	20	394.0	543.0	38698	684	29746	384	0.0	0.0	100.0
TX SNYDER	17	10	3.2	135.0	5587	21	5431	21	0.0	0.0	99.9
TX SWEETWATER	12	20	560.8	427.0	32329	238	29841	233	2.7	0.6	97.4
TX TEMPLE	6	50	1000.0	573.0	47381	1090	35310	971	0.0	0.0	99.2
TX TEXARKANA	6	15	1000.0	482.0	43756	1018	32460	884	0.0	0.0	100.0
TX TYLER	7	38	1000.0	302.0	28271	703	23380	619	0.0	0.0	100.0
TX VICTORIA	19	34	50.0	149.0	7797	117	7797	117	0.1	0.0	100.0
TX VICTORIA	25	15	52.3	311.0	16145	165	16084	164	0.0	0.0	100.0
TX WACO	10	53	732.0	552.0	39010	853	35434	811	0.0	0.0	99.9
TX WACO	25	26	234.7	558.0	28933	716	26263	595	0.0	0.0	100.0
TX WACO	34	20	50.0	155.0	4781	201	4721	201	0.1	0.0	100.0
TX WACO	44	57	200.2	552.0	22375	599	22407	608	0.7	0.0	98.9
TX WESLACO	5	13	40.0	290.0	32933	672	31728	675	0.0	0.0	99.7
TX WICHITA FALLS	3	28	1000.0	305.0	33377	388	30557	369	0.0	0.0	100.0
TX WICHITA FALLS	6	22	1000.0	311.0	32101	367	28057	358	0.0	0.0	94.2
TX WICHITA FALLS	18	15	96.3	329.0	17791	320	17915	320	2.4	1.0	99.3
UT CEDAR CITY	4	14	365.6	836.0	36597	75	40743	86	0.0	0.0	88.8
UT OGDEN	9	34	304.0	893.0	20702	1368	21568	1375	0.2	0.0	95.4
UT OGDEN	30	29	60.3	1190.0	22509	1371	21299	1358	0.0	0.0	99.5
UT PROVO	11	39	402.8	896.0	23981	1360	24644	1359	0.0	0.0	94.9

STATE AND CITY	NTSC CHAN	DTV CHAN	DTV POWER (kW)	ANTENNA HAAT (m)	DIGITAL TELEVISION SERVICE		EXISTING NTSC				DTV/ NTSC AREA MATCH (%)
					DURING TRANSITION		CURRENT SERVICE		NEW INTERFERENCE		
					AREA (Sq km)	PEOPLE (thous)	AREA (Sq km)	PEOPLE (thous)	AREA (% NL Area)	PEOPLE (% NL Pop)	
UT PROVO	16	17	253.0	57.0	8179	329	7461	295	0.0	0.0	100.0
UT SALT LAKE CITY	2	35	737.0	933.0	33667	1402	44486	1484	0.0	0.0	75.2
UT SALT LAKE CITY	4	40	529.6	1180.0	34890	1401	44280	1479	0.0	0.0	77.1
UT SALT LAKE CITY	5	38	539.4	1152.0	35596	1407	47582	1468	0.0	0.0	74.8
UT SALT LAKE CITY	7	42	430.5	924.0	29562	1392	30768	1397	0.1	0.0	95.9
UT SALT LAKE CITY	13	28	190.6	1116.0	21249	1385	19545	1356	0.0	0.0	96.5
UT SALT LAKE CITY	14	27	84.2	1181.0	28260	1384	26587	1374	0.1	0.0	99.7
UT ST. GEORGE	12	9	3.2	42.0	1767	43	1631	41	0.0	0.0	100.0
VA ARLINGTON	14	15	90.2	173.0	14889	5804	15213	5853	4.8	0.8	97.5
VA ASHLAND	65	47	50.0	262.0	11365	925	10517	908	0.0	0.0	100.0
VA BRISTOL	5	28	1000.0	680.0	36741	1255	38646	1387	0.0	0.0	89.7
VA CHARLOTTESVILLE	29	32	234.1	363.0	20632	651	20736	649	2.5	4.9	95.6
VA CHARLOTTESVILLE	41	14	50.0	352.0	8353	227	7661	205	2.0	0.7	99.8
VA DANVILLE	24	41	50.0	107.0	5695	306	5650	296	5.5	3.0	99.4
VA FAIRFAX	56	57	50.0	215.0	11753	4371	11068	4071	3.9	2.0	98.8
VA FRONT ROYAL	42	21	50.0	398.0	7856	243	6366	225	2.7	1.8	100.0
VA GOLDVEIN	53	30	50.0	229.0	14199	3791	13042	2821	1.1	0.2	99.9
VA GRUNDY	68	49	50.0	763.0	14722	612	13657	575	0.0	0.0	99.9
VA HAMPTON	13	41	923.2	301.0	28338	1715	23151	1590	0.0	0.0	100.0
VA HAMPTON-NORFOLK	15	16	113.5	294.0	17265	1537	17265	1537	0.5	0.0	100.0
VA HARRISONBURG	3	49	95.2	646.0	16415	443	20828	532	1.6	0.4	75.5
VA LYNCHBURG	13	56	1000.0	625.0	33092	1044	26866	836	0.0	0.0	97.7
VA LYNCHBURG	21	20	186.3	500.0	18430	642	18438	627	1.1	5.3	95.9
VA MANASSAS	66	43	68.5	168.0	12144	3867	12814	4000	0.1	0.0	93.8
VA MARION	52	42	50.0	445.0	11661	316	9959	265	0.9	0.5	99.9
VA NORFOLK	3	58	1000.0	299.0	33646	1832	26137	1739	0.0	0.0	100.0
VA NORFOLK	33	38	226.8	277.0	14070	1498	14074	1498	0.0	0.0	100.0
VA NORFOLK	49	46	50.0	155.0	6111	1349	6111	1349	0.0	0.0	100.0
VA NORTON	47	32	50.0	591.0	18409	750	15776	624	1.1	0.6	100.0
VA PETERSBURG	8	22	520.7	320.0	27478	1244	24875	1178	0.0	0.0	99.6
VA PORTSMOUTH	10	31	729.0	302.0	28891	1778	26971	1652	13.8	3.4	100.0
VA PORTSMOUTH	27	19	60.4	296.0	18588	1563	18925	1566	0.4	0.1	98.2
VA RICHMOND	6	25	1000.0	256.0	31166	1473	26888	1361	0.0	0.0	99.6
VA RICHMOND	12	54	1000.0	241.0	25977	1257	20983	1103	0.0	0.0	99.7
VA RICHMOND	23	24	108.8	327.0	21675	1104	21868	1106	0.0	0.0	99.0
VA RICHMOND	35	26	67.8	384.0	22035	1068	22414	1089	7.2	3.5	96.5
VA RICHMOND	57	44	50.0	293.0	13908	945	13872	945	2.8	0.4	100.0
VA ROANOKE	7	18	605.0	610.0	37673	1237	33927	1131	0.0	0.0	99.6

STATE AND CITY	DIGITAL TELEVISION SERVICE						EXISTING NTSC				DTV/ NTSC AREA MATCH (%)
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					AREA (Sq km)	PEOPLE (thous)	AREA (Sq km)	PEOPLE (thous)	AREA (% NL Area)	PEOPLE (% NL Pop)	
VA ROANOKE	10	30	773.7	610.0	33596	1141	31364	1092	0.1	0.1	97.5
VA ROANOKE	15	3	1.0	634.0	25760	930	20742	827	1.4	1.0	99.2
VA ROANOKE	27	17	88.7	607.0	19044	818	18536	815	3.4	2.8	95.1
VA ROANOKE	38	36	50.0	616.0	14302	649	13842	640	2.6	1.6	99.4
VA STAUNTON	51	11	3.2	680.0	7437	249	6357	220	1.3	0.5	100.0
VA VIRGINIA BEACH	43	29	133.3	261.0	18835	1572	18847	1573	0.0	0.0	99.9
VT BURLINGTON	3	53	817.0	835.0	40609	564	39340	592	0.0	0.0	91.9
VT BURLINGTON	22	16	50.0	835.0	27349	485	24512	444	0.3	0.2	99.9
VT BURLINGTON	33	32	50.0	815.0	24890	447	23364	428	0.6	0.3	100.0
VT BURLINGTON	44	43	50.0	840.0	25178	453	23659	428	0.3	0.1	99.8
VT HARTFORD	31	25	72.6	677.0	16298	365	15770	351	2.4	1.9	97.1
VT RUTLAND	28	56	50.0	429.0	10646	249	10054	243	0.0	0.0	100.0
VT ST. JOHNSBURY	20	18	50.0	592.0	17041	177	13973	146	0.6	0.3	100.0
VT WINDSOR	41	24	50.0	684.0	18661	458	16023	370	2.0	2.9	99.1
WA BELLEVUE	33	32	50.0	286.0	4020	1944	3539	1889	6.7	8.5	99.8
WA BELLEVUE	51	50	50.0	739.0	21493	2960	21087	2949	0.1	0.4	100.0
WA BELLINGHAM	12	35	612.2	722.0	40003	1009	37938	614	0.0	0.0	99.7
WA BELLINGHAM	24	19	50.0	676.0	6322	206	5934	193	0.0	0.0	100.0
WA CENTRALIA	15	19	50.0	347.0	12675	317	11570	297	1.3	2.3	97.0
WA EVERETT	16	31	290.6	239.0	15341	2878	14315	2789	0.2	0.0	99.4
WA KENNEWICK	42	44	50.0	390.0	14786	250	14141	238	0.0	0.0	100.0
WA PASCO	19	18	50.0	366.0	15893	242	15293	225	0.0	0.0	100.0
WA PULLMAN	10	17	189.6	408.0	25735	256	23762	208	0.0	0.0	99.9
WA RICHLAND	25	26	50.0	411.0	17257	267	16636	250	0.0	0.0	100.0
WA RICHLAND	31	38	50.0	370.0	6994	162	6483	158	0.0	0.0	100.0
WA SEATTLE	4	38	1000.0	247.0	26917	3048	28573	3061	0.0	0.0	93.9
WA SEATTLE	5	48	1000.0	250.0	27042	3052	27359	3034	0.0	0.0	94.5
WA SEATTLE	7	39	1000.0	250.0	23973	3014	23832	3015	0.0	0.0	98.6
WA SEATTLE	9	41	1000.0	252.0	22539	2947	23225	2982	0.0	0.0	92.7
WA SEATTLE	22	25	247.1	271.0	20306	2972	18838	2933	0.1	0.0	100.0
WA SEATTLE	45	44	50.0	287.0	4035	1885	3533	1818	1.6	1.6	100.0
WA SPOKANE	2	20	1000.0	671.0	44955	567	46495	549	0.0	0.0	93.8
WA SPOKANE	4	13	27.3	933.0	47131	538	49444	551	0.0	0.0	94.4
WA SPOKANE	6	15	1000.0	653.0	45136	562	45962	568	0.0	0.0	96.5
WA SPOKANE	7	39	945.6	558.0	35010	543	34472	518	0.0	0.0	98.7
WA SPOKANE	22	36	50.0	429.0	16529	434	15967	423	0.6	0.1	98.9
WA SPOKANE	28	30	95.4	601.0	26297	494	24953	477	0.2	2.7	100.0
WA TACOMA	11	36	1000.0	271.0	24019	3014	22953	2951	0.0	0.0	99.5
WA TACOMA	13	18	602.8	610.0	34985	3160	31399	3038	0.0	0.0	98.7

STATE AND CITY	NTSC CHAN	DTV CHAN	DTV POWER (kW)	ANTENNA HAAT (m)	DIGITAL TELEVISION SERVICE		EXISTING NTSC				DTV/NTSC AREA MATCH (%)
					DURING TRANSITION		CURRENT SERVICE		NEW INTERFERENCE		
					AREA (Sq km)	PEOPLE (thous)	AREA (Sq km)	PEOPLE (thous)	AREA (% NL Area)	PEOPLE (% NL Pop)	
WA TACOMA	20	14	135.4	491.0	21540	2985	20756	2893	0.8	0.4	99.9
WA TACOMA	28	27	50.0	232.0	11775	2542	11033	2456	1.3	5.4	99.6
WA TACOMA	56	42	152.4	570.0	26206	2943	25599	3046	0.1	0.2	99.1
WA VANCOUVER	49	48	107.7	527.0	17144	1772	16628	1743	0.0	0.0	99.9
WA WENATCHEE	27	46	50.0	424.0	10409	106	8623	101	0.0	0.0	100.0
WA YAKIMA	23	16	50.0	293.0	9705	196	8523	195	0.0	0.0	100.0
WA YAKIMA	29	33	50.0	296.0	9706	198	8783	198	0.0	0.0	100.0
WA YAKIMA	35	14	50.0	293.0	10411	199	8832	197	2.6	0.8	100.0
WA YAKIMA	47	21	50.0	280.0	9737	194	8382	193	0.0	0.0	100.0
WI APPLETON	32	59	50.0	336.0	17094	760	16889	750	0.0	0.0	100.0
WI CHIPPEWA FALLS	48	49	50.0	213.0	11489	233	11695	238	0.1	0.0	96.8
WI EAGLE RIVER	34	28	52.8	127.0	9995	70	10007	71	1.1	0.7	99.1
WI EAU CLAIRE	13	39	944.3	607.0	41500	711	37390	643	0.0	0.0	98.7
WI EAU CLAIRE	18	15	50.0	226.0	11397	231	11320	230	0.3	0.1	100.0
WI FOND DU LAC	68	44	122.7	506.0	26083	1986	26740	2424	0.1	1.6	96.3
WI GREEN BAY	2	23	1000.0	381.0	37771	1055	35158	1004	1.0	0.4	99.9
WI GREEN BAY	5	56	1000.0	341.0	35496	1037	33443	988	0.0	0.0	99.9
WI GREEN BAY	11	51	1000.0	384.0	33121	1007	31547	956	3.5	2.4	100.0
WI GREEN BAY	26	41	285.5	356.0	23465	924	23171	915	3.0	1.5	100.0
WI GREEN BAY	38	42	50.0	360.0	17370	729	17366	728	0.0	0.0	99.3
WI JANESVILLE	57	32	79.3	342.0	15937	1061	16225	1067	1.1	0.6	97.0
WI KENOSHA	55	40	97.2	144.0	11200	2080	10924	2040	0.4	0.1	100.0
WI LA CROSSE	8	53	1000.0	469.0	36877	681	29076	525	0.5	0.4	100.0
WI LA CROSSE	19	14	50.0	347.0	16453	300	15633	286	6.5	3.5	100.0
WI LA CROSSE	25	17	50.0	306.0	12633	250	11804	228	0.2	0.1	100.0
WI LA CROSSE	31	30	50.0	347.0	17544	310	16864	297	2.6	1.7	100.0
WI MADISON	3	50	380.2	469.0	30593	1315	25483	1060	2.7	6.4	99.8
WI MADISON	15	19	50.0	352.0	18214	816	17836	771	0.1	0.0	98.3
WI MADISON	21	20	50.0	453.0	21941	893	21768	888	2.0	1.3	98.7
WI MADISON	27	26	228.3	455.0	25909	1056	26561	1071	2.8	4.2	97.1
WI MADISON	47	11	3.2	450.0	19564	832	19310	822	1.1	1.4	98.4
WI MANITOWOC	16	19	50.0	129.0	3415	81	3415	81	1.5	0.7	100.0
WI MAYVILLE	52	43	50.0	120.0	2183	87	2155	85	1.3	0.8	100.0
WI MENOMONIE	28	27	50.0	346.0	17181	344	16347	319	0.2	0.0	100.0
WI MILWAUKEE	4	28	1000.0	305.0	33003	2715	24264	2170	0.0	0.0	98.8
WI MILWAUKEE	6	33	1000.0	305.0	33449	2801	22286	2072	0.0	0.0	99.9
WI MILWAUKEE	10	8	9.9	343.0	26703	2457	24134	2110	0.0	0.0	98.4
WI MILWAUKEE	12	34	832.8	305.0	29063	2570	22473	2066	0.0	0.0	100.0

STATE AND CITY	NTSC CHAN	DTV CHAN	DTV POWER (kW)	ANTENNA HAAT (m)	DIGITAL TELEVISION SERVICE		EXISTING NTSC				DTV/NTSC AREA MATCH (%)
					DURING TRANSITION		CURRENT SERVICE		NEW INTERFERENCE		
					AREA (Sq km)	PEOPLE (thous)	AREA (Sq km)	PEOPLE (thous)	AREA (% NL Area)	PEOPLE (% NL Pop)	
WI MILWAUKEE	18	61	519.8	307.0	20074	2243	19192	2150	0.0	0.0	100.0
WI MILWAUKEE	24	25	111.2	313.0	17125	2087	17044	2071	0.8	0.2	99.7
WI MILWAUKEE	30	22	50.0	293.0	13307	1847	13315	1848	1.0	1.3	99.8
WI MILWAUKEE	36	35	59.6	283.0	13997	1854	14630	1875	1.3	0.8	95.7
WI MILWAUKEE	58	46	139.7	339.0	22271	2212	20629	2155	0.5	1.1	99.7
WI PARK FALLS	36	47	50.0	445.0	19939	106	19134	97	1.7	1.4	100.0
WI RACINE	49	48	176.4	303.0	17140	2103	16621	1997	0.9	0.3	100.0
WI RHINELANDER	12	16	510.5	506.0	39393	351	29821	251	0.0	0.0	100.0
WI SUPERIOR	6	19	1000.0	308.0	32476	286	28518	256	0.0	0.0	99.9
WI SURING	14	21	50.0	201.0	13334	541	13330	541	0.2	0.3	100.0
WI WAUSAU	7	40	836.0	369.0	30184	481	27045	431	0.0	0.0	97.2
WI WAUSAU	9	29	669.8	369.0	32021	491	25727	433	0.0	0.0	99.6
WI WAUSAU	20	24	50.0	300.0	17800	354	17796	354	1.3	0.6	99.8
WV BLUEFIELD	6	46	1000.0	372.0	24174	682	24693	690	0.0	0.0	93.3
WV BLUEFIELD	40	14	50.0	387.0	15497	461	12482	337	0.1	0.1	100.0
WV CHARLESTON	8	41	388.5	372.0	26064	929	24529	889	0.0	0.0	99.7
WV CHARLESTON	11	19	71.4	525.0	22981	846	20575	785	0.0	0.0	100.0
WV CHARLESTON	29	39	50.0	212.0	11145	513	10379	426	0.5	0.3	100.0
WV CLARKSBURG	12	52	1000.0	262.0	23066	589	21524	531	0.1	0.0	99.8
WV CLARKSBURG	46	28	50.0	244.0	8517	286	7660	251	3.9	2.7	100.0
WV GRANDVIEW	9	53	1000.0	305.0	23498	599	22111	545	0.0	0.0	97.1
WV HUNTINGTON	3	23	444.5	388.0	30090	1068	27305	998	0.1	0.0	99.6
WV HUNTINGTON	13	54	430.9	387.0	26782	983	25164	948	6.3	4.5	100.0
WV HUNTINGTON	33	34	63.1	379.0	16652	735	16434	723	1.4	0.4	99.5
WV LEWISBURG	59	48	50.0	568.0	13201	308	12445	283	0.2	0.0	100.0
WV MARTINSBURG	60	12	3.2	312.0	11165	503	9860	476	0.1	0.0	99.7
WV MORGANTOWN	24	33	145.4	457.0	19594	1297	19799	1254	2.1	3.3	96.5
WV OAK HILL	4	50	1000.0	226.0	22396	568	22416	539	0.0	0.0	91.3
WV PARKERSBURG	15	49	50.0	189.0	9484	281	9187	271	6.7	7.7	100.0
WV WESTON	5	58	1000.0	268.0	27279	561	25870	516	0.0	0.0	96.2
WV WHEELING	7	32	996.9	293.0	25185	2292	23153	2013	0.0	0.0	98.6
WY CASPER	2	17	1000.0	610.0	44057	80	45716	79	0.0	0.0	94.3
WY CASPER	14	15	54.7	573.0	24755	65	23799	65	0.2	0.0	99.8
WY CASPER	20	18	50.0	582.0	9746	63	9090	63	3.7	0.0	95.5
WY CHEYENNE	5	30	1000.0	189.0	22470	345	22768	359	0.0	0.0	93.7
WY CHEYENNE	27	28	173.0	232.0	13238	331	13110	329	0.1	0.0	99.6
WY CHEYENNE	33	11	3.2	148.0	4174	71	3913	71	4.2	0.1	100.0
WY JACKSON	2	14	50.0	304.0	4438	11	4626	11	1.2	0.0	95.7

STATE AND CITY	DIGITAL TELEVISION SERVICE						EXISTING NTSC				DTV/ NTSC AREA MATCH (%)
	NTSC CHAN	DTV CHAN	DTV POWER (kW)	ANTENNA HAAT (m)	DURING TRANSITION		CURRENT SERVICE		NEW INTERFERENCE		
					AREA (Sq km)	PEOPLE (thous)	AREA (Sq km)	PEOPLE (thous)	AREA (% NL Area)	PEOPLE (% NL Pop)	
WY LANDER	4	8	60.0	463.0	36374	33	37280	33	0.0	0.0	96.7
WY LANDER	5	7	31.7	82.0	15722	31	19486	32	0.0	0.0	80.7
WY RAWLINS	11	9	3.2	70.0	2330	10	2097	10	0.0	0.0	100.0
WY RIVERTON	10	16	274.5	526.0	26376	48	25118	47	0.0	0.0	99.4
WY ROCK SPRINGS	13	21	393.4	495.0	33285	45	30589	45	0.0	0.0	100.0
WY SHERIDAN	12	21	1000.0	372.0	27652	37	27424	37	0.0	0.0	97.5
GU AGANA	8	2	1.0	305.0	Clear channels; no interference evaluation performed						
GU AGANA	10	4	3.2	304.0	Clear channels; no interference evaluation performed						
GU AGANA	12	5	3.2	61.0	Clear channels; no interference evaluation performed						
GU TAMUNING	14	17	50.0	33.0	Clear channels; no interference evaluation performed						
PR AGUADA	50	62	50.1	343.0	19152	-	13149	-	9.8	-	100.0
PR AGUADILLA	12	69	691.8	665.0	46001	-	38301	-	0.0	-	100.0
PR AGUADILLA	32	34	50.1	296.0	15358	-	4652	-	65.4	-	98.8
PR AGUADILLA	44	17	50.1	372.0	20575	-	13040	-	5.0	-	100.0
PR ARECIBO	54	53	50.1	600.0	27756	-	26609	-	11.4	-	99.3
PR ARECIBO	60	61	55.0	242.0	15529	-	15203	-	0.0	-	100.0
PR BAYAMON	36	59	50.1	329.0	18547	-	4283	-	14.9	-	100.0
PR CAGUAS	11	56	707.9	355.0	31007	-	21824	-	0.0	-	100.0
PR CAGUAS	58	57	50.1	329.0	18628	-	8316	-	13.2	-	100.0
PR CAROLINA	52	51	50.1	585.0	26949	-	21606	-	3.7	-	99.5
PR FAJARDO	13	33	281.8	863.0	45149	-	32793	-	0.0	-	100.0
PR FAJARDO	40	16	50.1	839.0	30510	-	28981	-	3.6	-	96.7
PR GUAYAMA	46	45	50.1	642.0	28750	-	27956	-	5.5	-	99.1
PR HUMACAO	68	49	50.1	594.0	27390	-	13282	-	3.6	-	100.0
PR MAYAGUEZ	3	35	1000.0	691.0	49598	-	40712	-	0.0	-	94.8
PR MAYAGUEZ	5	29	1000.0	610.0	45004	-	44597	-	0.0	-	91.1
PR MAYAGUEZ	16	63	50.1	347.0	19379	-	11527	-	41.7	-	100.0
PR MAYAGUEZ	22	23	50.1	620.0	28506	-	27691	-	0.0	-	99.9
PR NARANJITO	64	65	50.1	142.0	11499	-	10359	-	6.4	-	94.0
PR PONCE	7	66	407.4	826.0	46962	-	46824	-	0.0	-	100.0
PR PONCE	9	43	380.2	857.0	44518	-	45819	-	0.0	-	96.8
PR PONCE	14	15	50.1	861.0	33311	-	30272	-	1.1	-	99.9
PR PONCE	20	19	50.1	259.0	15818	-	7812	-	17.5	-	100.0
PR PONCE	26	25	50.1	302.0	17367	-	12274	-	9.6	-	100.0
PR PONCE	48	47	50.1	247.0	15454	-	7081	-	5.9	-	100.0
PR SAN JUAN	2	28	871.0	861.0	53035	-	46686	-	0.0	-	100.0
PR SAN JUAN	4	27	851.1	873.0	53006	-	41839	-	0.0	-	96.8
PR SAN JUAN	6	55	977.2	825.0	54314	-	41882	-	0.0	-	99.9
PR SAN JUAN	18	32	50.1	848.0	33066	-	22841	-	0.9	-	100.0

STATE AND CITY	NTSC CHAN	DTV CHAN	DTV POWER (kW)	ANTENNA HAAT (m)	DIGITAL TELEVISION SERVICE		EXISTING NTSC				DTV/ NTSC AREA MATCH (%)
					DURING TRANSITION		CURRENT SERVICE		NEW INTERFERENCE		
					AREA (Sq km)	PEOPLE (thous)	AREA (Sq km)	PEOPLE (thous)	AREA (% NL Area)	PEOPLE (% NL Pop)	
PR SAN JUAN	24	21	50.1	581.0	27602	-	21905	-	1.1	-	100.0
PR SAN JUAN	30	31	75.9	287.0	17985	-	17932	-	3.8	-	100.0
PR SAN SEBASTIAN	38	39	50.1	332.0	18642	-	8720	-	6.0	-	100.0
PR YAUCO	42	41	50.1	852.0	33204	-	31628	-	0.8	-	100.0
VI CHARLOTTE AMALI	10	50	776.2	558.0	41952	-	39160	-	0.0	-	100.0
VI CHARLOTTE AMALI	12	44	50.1	451.0	22957	-	15899	-	0.0	-	100.0
VI CHARLOTTE AMALI	17	48	50.1	429.0	22404	-	10386	-	0.1	-	100.0
VI CHRISTIANSTED	8	20	501.2	292.0	25457	-	24907	-	0.0	-	100.0
VI CHRISTIANSTED	27	5	1.0	121.0	14403	-	3162	-	94.1	-	100.0

Notes:

- 1) Data for Puerto Rico and the Virgin Islands was unavailable in a form suitable for calculations related to population.
- 2) The interference calculations were made using FCC curves (47CFR 73.699) and do not include effects of terrain shielding.

State and City	DTV		State and City	DTV	
	Channel	N. Latitude W. Longitude		Channel	N. Latitude W. Longitude
AK Anchorage	18	61-25-22 149-52-20	AR Jonesboro	49	35-53-27 090-54-06
AK Anchorage	20	61-13-11 149-53-24	AR Jonesboro	9	35-53-17 090-56-09
AK Anchorage	22	61-20-10 149-30-47	AR Little Rock	12	34-47-57 092-29-59
AK Anchorage	24	61-25-22 149-52-20	AR Little Rock	22	34-28-23 092-12-11
AK Anchorage	26	61-04-02 149-44-36	AR Little Rock	30	34-47-57 092-29-29
AK Anchorage	28	61-11-33 149-54-01	AR Little Rock	32	34-47-57 092-29-59
AK Anchorage	30	61-25-22 149-52-20	AR Little Rock	43	34-52-28 092-00-35
AK Anchorage	32	61-09-57 149-41-02	AR Little Rock	47	34-28-23 092-12-11
AK Bethel	3	60-47-33 161-46-22	AR Mountain View	35	35-48-47 092-17-24
AK Dillingham	9	59-02-30 158-27-30	AR Newark	27	35-43-25 091-26-40
AK Fairbanks	18	64-50-42 147-42-52	AR Pine Bluff	24	34-31-52 092-02-42
AK Fairbanks	22	64-48-44 147-42-02	AR Pine Bluff	39	34-26-31 092-13-03
AK Fairbanks	24	64-54-42 147-46-38	AR Rogers	50	36-12-15 094-06-05
AK Fairbanks	26	64-50-36 147-42-48	AR Springdale	39	36-11-07 094-17-49
AK Fairbanks	28	64-50-36 147-42-48	AZ Flagstaff	18	34-58-04 111-30-30
AK Juneau	6	58-18-04 134-25-21	AZ Flagstaff	22	34-58-06 111-30-28
AK Juneau	11	58-18-06 134-26-29	AZ Flagstaff	27	34-58-05 111-30-29
AK Ketchikan	8	55-20-35 131-38-38	AZ Flagstaff	32	35-14-26 111-35-48
AK Ketchikan	13	55-20-59 131-40-12	AZ Green Valley	47	32-24-54 110-42-56
AK North Pole	20	64-52-44 148-03-10	AZ Kingman	19	35-01-57 114-21-56
AK Sitka	2	57-03-02 135-20-03	AZ Kingman	46	35-11-20 114-03-12
AL Anniston	58	33-24-41 086-12-23	AZ Lake Havasu City	32	34-33-06 114-11-37
AL Bessemer	18	33-28-51 087-24-03	AZ Mesa	36	33-20-00 112-03-48
AL Birmingham	30	33-29-02 086-48-21	AZ Phoenix	17	33-20-02 112-03-40
AL Birmingham	36	33-27-37 086-51-07	AZ Phoenix	20	33-20-02 112-03-42
AL Birmingham	50	33-29-19 086-47-58	AZ Phoenix	24	33-20-01 112-03-45
AL Birmingham	52	33-29-26 086-47-48	AZ Phoenix	26	33-20-01 112-03-32
AL Birmingham	53	33-29-19 086-47-58	AZ Phoenix	29	33-20-00 112-03-49
AL Demopolis	19	32-22-01 087-52-03	AZ Phoenix	31	33-20-03 112-03-43
AL Dothan	21	31-14-30 085-18-48	AZ Phoenix	34	33-20-00 112-03-46
AL Dothan	36	30-55-10 085-44-28	AZ Phoenix	49	33-20-01 112-03-44
AL Dozier	59	31-33-16 086-23-32	AZ Phoenix	56	33-20-00 112-03-46
AL Florence	14	34-35-01 087-47-14	AZ Prescott	25	34-41-15 112-07-01
AL Florence	20	34-34-38 087-46-57	AZ Sierra Vista	44	31-45-33 110-48-02
AL Florence	22	34-34-40 087-46-54	AZ Tolleson	52	33-20-03 112-03-38
AL Gadsden	26	33-48-53 086-26-55	AZ Tucson	19	32-14-55 111-06-57
AL Gadsden	45	33-57-20 086-12-53	AZ Tucson	23	32-24-56 110-42-49
AL Homewood	28	33-29-04 086-48-25	AZ Tucson	25	32-24-54 110-42-59
AL Huntsville	24	34-44-14 086-31-46	AZ Tucson	28	32-12-53 111-00-21
AL Huntsville	32	34-44-15 086-32-02	AZ Tucson	30	32-24-55 110-42-54
AL Huntsville	41	34-38-11 086-30-42	AZ Tucson	32	32-14-56 111-06-58
AL Huntsville	49	34-42-39 086-32-07	AZ Tucson	35	32-24-54 110-42-59
AL Huntsville	59	34-44-19 086-31-56	AZ Tucson	42	32-14-55 111-06-57
AL Louisville	44	31-43-05 085-26-03	AZ Yuma	16	33-03-17 114-49-34
AL Mobile	9	30-41-17 087-47-54	AZ Yuma	41	33-03-10 114-49-40
AL Mobile	20	30-35-18 087-33-16	CA Anaheim	32	34-11-14 117-42-01
AL Mobile	27	30-41-20 087-49-49	CA Arcata	22	40-43-36 123-58-18
AL Mobile	41	30-39-33 087-53-33	CA Bakersfield	10	35-27-14 118-35-37
AL Mobile	47	30-37-35 087-38-50	CA Bakersfield	25	35-26-20 118-44-23
AL Montgomery	14	32-22-52 086-17-30	CA Bakersfield	33	35-27-11 118-35-25
AL Montgomery	16	32-20-06 086-17-16	CA Bakersfield	55	35-26-20 118-44-24
AL Montgomery	46	32-24-11 086-11-48	CA Barstow	44	34-36-34 117-17-11
AL Montgomery	51	32-08-30 086-44-43	CA Blythe	4	33-36-36 114-35-44
AL Montgomery	57	31-58-32 086-09-46	CA Calipatria	50	33-03-19 114-49-39
AL Mount Cheaha	56	33-29-07 085-48-33	CA Ceres	15	37-35-21 120-57-23
AL Opelika	31	32-38-33 085-14-13	CA Chico	36	40-15-31 122-05-20
AL Ozark	33	31-12-29 085-36-51	CA Chico	43	39-57-30 121-42-48
AL Selma	55	32-08-58 086-46-48	CA Clovis	44	36-44-45 119-16-57
AL Troy	48	31-58-32 086-09-46	CA Coalinga	22	36-08-30 120-21-18
AL Tuscaloosa	34	33-28-8 087-25-50	CA Concord	63	37-53-34 121-53-53
AL Tuskegee	24	32-03-36 085-57-02	CA Corona	39	34-13-27 118-03-45
AR Arkadelphia	46	33-54-26 093-06-46	CA Cotati	23	38-20-54 122-34-27
AR El Dorado	27	33-04-41 092-13-41	CA El Centro	22	33-03-06 114-49-41
AR Fayetteville	15	36-00-57 094-04-59	CA El Centro	48	33-03-19 114-49-39
AR Fayetteville	45	35-48-53 094-01-41	CA Eureka	11	40-43-36 123-58-19
AR Fort Smith	18	35-30-43 094-21-38	CA Eureka	16	40-43-52 123-57-06
AR Fort Smith	21	35-04-16 094-40-46	CA Eureka	17	40-43-36 123-58-18
AR Fort Smith	27	35-42-37 094-08-15	CA Eureka	28	40-49-32 124-00-05
AR Hot Springs	14	34-22-21 093-02-47	CA Fort Bragg	15	39-41-38 123-34-43
AR Jonesboro	20	35-54-14 090-46-14	CA Fresno	7	37-04-23 119-25-52

State and City	DTV		State and City	DTV	
	Channel	N. Latitude W. Longitude		Channel	N. Latitude W. Longitude
CA Fresno	9	37-04-38 119-26-00	CA Santa Barbara	21	34-31-31 119-57-29
CA Fresno	14	37-04-14 119-25-31	CA Santa Barbara	27	34-31-32 119-57-28
CA Fresno	16	36-44-45 119-16-53	CA Santa Maria	19	34-54-37 120-11-08
CA Fresno	40	36-44-45 119-16-52	CA Santa Rosa	54	38-40-10 122-37-52
CA Hanford	20	37-04-22 119-25-53	CA Stockton	25	38-14-24 121-30-03
CA Huntington Beach	48	33-58-19 117-56-57	CA Stockton	46	38-14-24 121-30-03
CA Long Beach	61	34-11-15 117-41-54	CA Stockton	62	37-53-35 121-53-58
CA Los Angeles	31	34-13-36 118-03-56	CA Twentynine Palms	23	34-09-15 116-11-50
CA Los Angeles	35	34-13-35 118-03-56	CA Vallejo	34	37-45-20 122-27-05
CA Los Angeles	36	34-13-32 118-03-52	CA Ventura	49	34-19-51 119-01-22
CA Los Angeles	41	34-13-26 118-03-45	CA Visalia	28	36-40-02 118-52-42
CA Los Angeles	42	34-13-36 118-03-59	CA Visalia	50	36-17-14 118-50-17
CA Los Angeles	43	34-13-38 118-04-00	CA Watsonville	58	36-45-23 121-30-05
CA Los Angeles	53	34-13-37 118-03-58	CO Boulder	15	39-40-18 105-13-12
CA Los Angeles	59	34-13-26 118-03-44	CO Broomfield	38	39-40-55 105-29-49
CA Los Angeles	60	34-13-57 118-04-18	CO Castle Rock	46	39-25-58 104-39-18
CA Los Angeles	65	34-13-29 118-03-47	CO Colorado Springs	10	38-44-41 104-51-41
CA Los Angeles	66	34-13-42 118-04-02	CO Colorado Springs	22	38-44-43 104-51-40
CA Merced	38	37-31-59 120-01-36	CO Colorado Springs	24	38-44-45 104-51-38
CA Modesto	18	38-07-07 120-43-23	CO Craig	48	40-30-55 107-32-47
CA Monterey	31	36-45-23 121-30-05	CO Denver	16	39-43-46 105-14-08
CA Monterey	32	36-32-05 121-37-14	CO Denver	17	39-43-46 105-14-12
CA Novato	47	38-08-53 122-35-33	CO Denver	18	39-43-49 105-15-00
CA Oakland	56	37-45-20 122-27-05	CO Denver	19	39-40-18 105-13-12
CA Ontario	47	34-13-37 118-03-58	CO Denver	32	39-4345 105-14-12
CA Oxnard	24	34-19-51 119-01-22	CO Denver	34	39-43-59 105-14-12
CA Palm Springs	46	33-52-00 116-25-56	CO Denver	35	39-43-48 105-14-02
CA Palm Springs	52	33-38-55 116-33-34	CO Denver	40	39-35-59 105-12-35
CA Paradise	20	39-57-45 121-42-40	CO Denver	43	39-40-24 105-13-03
CA Porterville	48	36-17-14 118-50-17	CO Denver	51	39-43-59 105-14-12
CA Rancho Palos Verdes	51	33-21-00 118-21-05	CO Durango	15	37-15-44 107-53-58
CA Redding	14	40-36-10 122-39-00	CO Fort Collins	21	40-38-32 104-49-05
CA Redding	18	40-36-09 122-39-01	CO Glenwood Springs	23	39-25-05 107-22-01
CA Riverside	68	34-11-16 117-41-55	CO Glenwood Springs	39	39-32-49 107-19-24
CA Sacramento	21	38-15-52 121-29-22	CO Grand Junction	2	39-05-15 108-33-56
CA Sacramento	35	38-15-52 121-29-22	CO Grand Junction	7	39-02-55 108-15-06
CA Sacramento	48	38-37-49 120-51-20	CO Grand Junction	12	39-04-00 108-44-41
CA Sacramento	53	38-16-18 121-30-18	CO Grand Junction	15	39-03-56 108-44-52
CA Sacramento	55	38-16-18 121-30-18	CO Grand Junction	17	39-03-14 108-15-13
C Sacramento	61	38-14-24 121-30-03	CO LA Junta	30	37-59-06 103-32-19
CA Salinas	13	36-45-22 121-30-05	CO Lamar	50	38-05-14 102-37-02
CA Salinas	43	37-03-30 121-46-33	CO Leadville	49	39-14-52 106-17-28
CA San Bernardino	26	33-57-57 117-17-05	CO Longmont	29	40-05-47 104-54-04
CA San Bernardino	38	34-11-15 117-41-58	CO Montrose	13	38-31-02 107-51-12
CA San Diego	18	32-41-52 116-56-02	CO Pueblo	26	38-44-44 104-51-39
CA San Diego	19	32-41-47 116-56-07	CO Pueblo	42	38-22-25 104-33-27
CA San Diego	25	32-50-20 117-14-56	CO Steamboat Springs	10	40-27-43 106-51-02
CA San Diego	30	32-41-47 116-56-07	CO Sterling	23	40-34-57 103-01-56
CA San Diego	40	32-41-48 116-56-06	CT Bridgeport	42	41-21-43 073-06-48
CA San Diego	55	32-50-17 117-14-56	CT Bridgeport	52	41-16-43 073-11-08
CA San Francisco	19	37-45-20 122-27-05	CT Hartford	5	41-42-13 072-49-57
CA San Francisco	24	37-45-20 122-27-05	CT Hartford	32	41-46-27 072-48-20
CA San Francisco	27	37-41-12 122-26-03	CT Hartford	33	41-46-30 072-48-20
CA San Francisco	29	37-45-20 122-27-05	CT Hartford	46	41-46-30 072-48-04
CA San Francisco	30	37-45-20 122-27-05	CT New Britain	35	41-42-02 072-49-57
CA San Francisco	33	37-45-20 122-27-05	CT New Haven	6	41-25-23 072-57-06
CA San Francisco	39	37-45-20 122-27-05	CT New Haven	10	41-25-23 072-57-06
CA San Francisco	45	37-45-20 122-27-05	CT New Haven	39	41-19-42 072-54-25
CA San Francisco	51	37-29-57 121-52-16	CT New London	34	41-25-05 072-11-55
CA San Francisco	57	37-45-20 122-27-05	CT Norwich	45	41-31-11 072-10-04
CA San Jose	12	37-06-40 121-50-34	CT Waterbury	12	41-31-04 073-01-07
CA San Jose	41	37-06-41 121-50-30	DC Washington	27	38-57-49 077-06-18
CA San Jose	49	37-29-05 121-51-51	DC Washington	33	38-57-49 077-06-18
CA San Jose	50	37-29-07 121-51-57	DC Washington	34	38-57-01 077-04-47
CA San Jose	52	37-29-17 121-51-59	DC Washington	35	38-57-49 077-06-18
CA San Luis Obispo	15	35-21-37 120-39-17	DC Washington	36	38-57-21 077-04-57
CA San Luis Obispo	34	35-21-38 120-39-21	DC Washington	39	38-57-01 077-04-47
CA San Mateo	59	37-41-07 122-26-01	DC Washington	48	38-56-24 077-04-54
CA Sanger	36	37-04-26 119-25-52	DC Washington	51	38-57-44 077-01-36
CA Santa Ana	23	34-13-27 118-03-44	DE Seaford	44	38-39-15 075-36-42

State and City	DTV Channel	N. Latitude	W. Longitude	State and City	DTV Channel	N. Latitude	W. Longitude
DE Wilmington	31	39-41-43	075-17-55	FL Pensacola	17	30-37-38	087-37-31
DE Wilmington	55	40-02-30	075-14-24	FL Pensacola	31	30-26-36	087-14-03
FL Boca Raton	44	25-59-34	080-10-27	FL Pensacola	34	30-37-35	087-38-50
FL Bradenton	5	27-29-42	082-34-17	FL Pensacola	45	30-35-18	087-33-16
FL Bradenton	42	27-24-30	082-15-00	FL Sarasota	52	27-33-27	082-21-59
FL Cape Coral	35	26-47-43	081-48-04	FL St. Petersburg	24	28-11-04	082-45-39
FL Clearwater	21	28-11-04	082-45-39	FL St. Petersburg	57	27-50-32	082-15-46
FL Clermont	17	28-34-51	081-04-32	FL St. Petersburg	59	27-49-48	082-15-59
FL Cocoa	30	28-18-26	080-54-48	FL Tallahassee	2	30-35-11	084-14-11
FL Cocoa	51	28-18-26	080-54-48	FL Tallahassee	22	30-40-06	083-58-06
FL Daytona Beach	11	28-56-17	081-18-58	FL Tallahassee	32	30-21-29	084-36-39
FL Daytona Beach	49	29-17-10	081-29-37	FL Tampa	7	27-50-32	082-15-46
FL Fort Lauerdale	52	25-57-59	080-12-33	FL Tampa	12	27-49-09	082-14-26
FL Fort Myers	15	26-49-27	081-45-51	FL Tampa	29	27-50-32	082-15-46
FL Fort Myers	31	26-48-54	081-45-44	FL Tampa	34	27-50-53	082-15-48
FL Fort Myers	53	26-48-01	081-45-48	FL Tampa	47	27-50-32	082-15-46
FL Fort Pierce	38	27-26-05	080-21-42	FL Tampa	54	27-49-48	082-15-59
FL Fort Pierce	50	27-07-20	080-23-21	FL Tequesta	16	27-07-17	080-23-41
FL Fort Walton Beach	25	30-26-36	086-35-56	FL Tice	33	26-47-08	081-47-41
FL Fort Walton Beach	40	30-24-09	086-59-35	FL Venice	25	27-06-01	082-22-18
FL Fort Walton Beach	49	30-23-43	086-30-11	FL West Palm Beach	13	26-35-17	080-12-28
FL Gainesville	16	29-32-11	082-24-00	FL West Palm Beach	27	26-34-37	080-14-32
FL Gainesville	36	29-42-34	082-23-40	FL West Palm Beach	28	26-34-37	080-14-32
FL High Springs	28	29-37-47	082-34-24	FL West Palm Beach	55	26-35-20	080-12-43
FL Hollywood	47	25-57-59	080-12-33	GA Albany	17	31-19-52	083-51-44
FL Jacksonville	13	30-16-23	081-33-13	GA Albany	30	31-19-52	083-51-43
FL Jacksonville	19	30-16-34	081-33-58	GA Athens	22	33-48-18	084-08-40
FL Jacksonville	32	30-16-53	081-34-15	GA Athens	48	34-07-32	083-51-31
FL Jacksonville	34	30-16-36	081-33-47	GA Atlanta	10	33-45-24	084-19-55
FL Jacksonville	38	30-16-53	081-34-15	GA Atlanta	19	33-48-27	084-20-26
FL Jacksonville	42	30-16-23	081-33-13	GA Atlanta	20	33-46-57	084-23-20
FL Jacksonville	44	30-16-34	081-33-53	GA Atlanta	21	33-45-35	084-20-07
FL Key West	3	24-33-18	081-48-07	GA Atlanta	25	33-48-27	084-20-26
FL Key West	12	24-34-19	081-44-25	GA Atlanta	27	33-47-49	084-20-00
FL Lake Worth	36	26-43-35	080-04-53	GA Atlanta	39	33-45-51	084-21-42
FL Lakeland	19	27-50-15	081-56-53	GA Atlanta	41	34-03-59	084-27-17
FL Leesburg	40	28-55-16	081-19-09	GA Atlanta	43	33-45-34	084-23-19
FL Leesburg	46	28-51-35	081-46-27	GA Augusta	30	33-25-15	081-50-19
FL Live Oak	48	30-33-08	083-00-32	GA Augusta	31	33-24-29	081-50-36
FL Marathon	34	24-42-48	081-05-06	GA Augusta	42	33-24-15	081-50-19
FL Melbourne	20	28-18-26	080-54-48	GA Augusta	51	33-25-00	081-50-06
FL Melbourne	48	28-05-37	081-07-28	GA Bainbridge	50	30-39-01	084-12-13
FL Miami	8	25-57-49	080-12-44	GA Baxley	35	31-45-53	082-13-38
FL Miami	9	25-57-59	080-12-44	GA Brunswick	24	31-08-22	081-56-15
FL Miami	18	25-57-30	080-12-44	GA Chatsworth	33	34-45-06	084-42-54
FL Miami	19	25-58-07	080-13-20	GA Cochran	7	32-28-11	083-15-17
FL Miami	20	25-57-30	080-12-44	GA Columbus	15	32-19-25	084-46-46
FL Miami	22	25-58-07	080-13-20	GA Columbus	23	32-51-08	084-42-04
FL Miami	24	25-58-07	080-13-20	GA Columbus	35	32-27-28	084-53-08
FL Miami	26	25-41-05	080-18-52	GA Columbus	47	32-19-25	084-46-46
FL Miami	30	25-32-24	080-28-07	GA Columbus	49	32-27-40	084-52-43
FL Miami	32	25-57-59	080-12-33	GA Cordele	51	31-54-15	083-48-12
FL Miami	46	25-59-34	080-10-27	GA Dalton	16	34-57-07	085-22-58
FL Naples	41	26-25-22	081-37-49	GA Dawson	26	31-56-15	084-33-15
FL Naples	45	26-25-22	081-37-49	GA Macon	16	32-44-58	083-33-35
FL New Smyrna Beach	33	29-10-24	081-09-24	GA Macon	40	32-45-12	083-33-46
FL Ocala	31	29-21-32	082-19-53	GA Macon	45	32-45-10	083-33-32
FL Orange Park	10	30-04-27	081-48-23	GA Macon	50	32-44-58	083-33-35
FL Orlando	14	28-29-21	081-46-13	GA Monroe	44	33-44-22	084-00-14
FL Orlando	22	28-36-17	081-05-13	GA Pelham	20	31-08-05	084-06-16
FL Orlando	23	28-36-08	081-05-37	GA Perry	32	32-45-09	083-33-35
FL Orlando	39	28-36-08	081-05-37	GA Rome	51	34-18-47	084-38-55
FL Orlando	41	28-34-51	081-04-32	GA Savannah	15	32-03-14	081-21-01
FL Orlando	58	28-36-08	081-05-37	GA Savannah	23	32-03-30	081-20-20
FL Palm Beach	49	26-45-47	080-12-19	GA Savannah	39	32-03-32	081-17-57
FL Panama City	19	30-21-09	085-23-26	GA Savannah	46	32-08-48	081-37-05
FL Panama City	29	30-23-42	085-32-02	GA Thomasville	52	30-40-13	083-56-26
FL Panama City	38	30-22-02	085-55-29	GA Toccoa	24	34-36-44	083-22-05
FL Panama City	42	30-26-00	085-24-51	GA Valdosta	43	31-10-18	083-21-57
FL Panama City Beach	47	30-10-59	085-46-42	GA Waycross	18	31-13-17	082-34-24

State and City	DTV			State and City	DTV		
	Channel	N. Latitude	W. Longitude		Channel	N. Latitude	W. Longitude
GA Wrens	36	33-15-33	082-17-09	ID Caldwell	10	43-45-18	116-05-52
HI Hilo	8	19-43-00	155-08-13	ID Coeur D'Alene	45	47-43-54	116-43-47
HI Hilo	18	19-43-57	155-04-04	ID Filer	18	42-43-47	114-24-52
HI Hilo	19	19-43-44	155-05-31	ID Idaho Falls	9	43-30-02	112-39-36
HI Hilo	21	19-43-57	155-04-04	ID Idaho Falls	36	43-29-51	112-39-50
HI Hilo	22	19-43-51	155-04-11	ID Lewiston	32	46-27-27	117-05-56
HI Hilo	23	19-43-51	155-04-11	ID Moscow	35	46-40-54	116-58-13
HI Hilo	31	19-43-44	155-05-31	ID Nampa	24	43-45-20	116-05-55
HI Hilo	39	19-43-44	155-05-31	ID Nampa	44	43-45-18	116-05-52
HI Honolulu	8	21-17-46	157-50-36	ID Pocatello	17	43-30-02	112-39-36
HI Honolulu	18	21-17-46	157-50-36	ID Pocatello	23	42-55-15	112-20-44
HI Honolulu	19	21-23-51	158-06-01	ID Twin Falls	16	42-43-48	114-24-52
HI Honolulu	22	21-17-39	157-50-18	ID Twin Falls	22	42-43-47	114-24-52
HI Honolulu	23	21-24-03	158-06-10	ID Twin Falls	34	42-43-42	114-24-43
HI Honolulu	27	21-23-45	158-05-58	ID Weiser	34	44-14-49	116-58-12
HI Honolulu	31	21-18-49	157-51-43	IL Aurora	59	41-52-44	087-38-10
HI Honolulu	33	21-18-49	157-51-43	IL Bloomington	28	40-38-45	089-10-45
HI Honolulu	35	21-17-09	157-50-19	IL Carbondale	40	38-06-15	089-14-37
HI Honolulu	39	21-23-45	158-05-58	IL Champaign	41	40-04-11	087-54-45
HI Honolulu	40	21-17-37	157-50-34	IL Champaign	48	40-06-23	088-26-59
HI Honolulu	43	21-23-45	158-05-58	IL Charleston	50	39-28-43	088-10-21
HI Kailua Kona	25	19-42-56	155-55-00	IL Chicago	3	41-53-56	087-37-23
HI Kaneohe	41	21-19-49	157-45-24	IL Chicago	19	41-53-56	087-37-23
HI Lihue	7	21-58-41	159-22-16	IL Chicago	21	41-53-56	087-37-23
HI Lihue	12	21-58-41	159-22-16	IL Chicago	27	41-52-44	087-38-10
HI Lihue	28	21-58-41	159-22-16	IL Chicago	29	41-52-44	087-38-10
HI Lihue	45	21-58-41	159-22-16	IL Chicago	31	41-53-56	087-37-23
HI Wailuku	16	20-42-34	156-15-54	IL Chicago	43	41-53-56	087-37-23
HI Wailuku	20	20-49-24	156-27-27	IL Chicago	45	41-53-56	087-37-23
HI Wailuku	24	20-42-41	156-15-35	IL Chicago	47	41-52-44	087-38-10
HI Wailuku	28	20-53-25	156-30-22	IL Chicago	52	41-52-44	087-38-10
HI Wailuku	29	20-42-16	156-16-35	IL Decatur	18	39-57-07	088-49-55
HI Wailuku	30	20-42-40	156-15-34	IL Decatur	22	39-57-03	088-52-05
HI Wailuku	34	20-53-25	156-30-22	IL East St. Louis	47	38-23-18	090-29-16
HI Wailuku	36	20-42-41	156-15-26	IL Freeport	41	42-17-48	089-10-15
IA Ames	59	41-48-33	093-36-53	IL Harrisburg	34	37-36-46	088-52-20
IA Burlington	41	40-49-25	091-08-22	IL Jacksonville	15	39-44-08	090-10-32
IA Cedar Rapids	27	42-05-25	092-05-13	IL Joliet	53	41-53-56	087-37-23
IA Cedar Rapids	47	42-17-17	091-52-54	IL Lasalle	10	41-16-51	088-56-13
IA Cedar Rapids	51	42-17-39	091-53-10	IL Macomb	21	40-23-53	090-43-56
IA Cedar Rapids	52	42-18-59	091-51-31	IL Marion	17	37-33-26	089-01-24
IA Centerville	44	40-43-30	092-52-12	IL Moline	23	41-19-17	090-22-47
IA Council Bluffs	33	41-15-15	095-50-07	IL Moline	38	41-18-44	090-22-47
IA Davenport	34	41-31-58	090-34-40	IL Mount Vernon	21	38-32-39	088-55-26
IA Davenport	49	41-19-17	090-22-47	IL Olney	19	38-50-18	088-07-46
IA Davenport	56	41-32-49	090-28-35	IL Peoria	30	40-38-07	089-32-19
IA Des Moines	16	41-48-01	093-36-27	IL Peoria	39	40-43-26	089-29-04
IA Des Moines	19	41-48-33	093-36-53	IL Peoria	40	40-39-11	089-35-14
IA Des Moines	26	41-48-35	093-37-16	IL Peoria	46	40-37-44	089-34-12
IA Des Moines	31	41-48-35	093-37-16	IL Peoria	57	40-37-48	089-32-51
IA Des Moines	50	41-48-33	093-36-53	IL Quincy	32	39-58-18	091-19-42
IA Dubuque	43	42-31-5	090-37-16	IL Quincy	34	39-58-44	091-18-33
IA Fort Dodge	25	42-49-03	094-24-41	IL Quincy	54	39-57-03	091-19-54
IA Iowa City	25	41-45-26	091-31-31	IL Rock Island	58	41-32-49	090-28-35
IA Iowa City	45	41-43-15	091-20-30	IL Rockford	16	42-17-14	089-10-15
IA Mason City	18	43-22-20	092-49-59	IL Rockford	42	42-17-26	089-09-51
IA Mason City	42	43-22-20	092-49-59	IL Rockford	54	42-17-50	089-14-24
IA Ottumwa	14	41-11-42	091-57-15	IL Springfield	42	39-48-15	089-27-40
IA Red Oak	35	41-20-40	095-15-21	IL Springfield	44	39-47-56	089-26-45
IA Sioux City	28	42-30-53	096-18-13	IL Springfield	53	39-47-27	089-30-53
IA Sioux City	30	42-35-12	096-13-57	IL Urbana	26	40-18-42	087-54-48
IA Sioux City	39	42-30-53	096-18-13	IL Urbana	33	40-02-18	088-40-10
IA Sioux City	41	42-35-12	096-13-57	IN Angola	12	41-27-15	084-48-10
IA Sioux City	49	42-35-16	096-13-22	IN Bloomington	14	39-08-32	086-29-43
IA Waterloo	35	42-18-59	091-51-31	IN Bloomington	27	39-24-16	086-08-37
IA Waterloo	55	42-24-04	091-50-43	IN Bloomington	53	39-24-27	086-08-52
ID Boise	21	43-45-16	116-05-56	IN Bloomington	56	39-24-12	086-08-50
ID Boise	26	43-45-16	116-05-56	IN Elkhart	58	41-36-58	086-11-38
ID Boise	28	43-45-17	116-05-53	IN Evansville	28	38-01-27	087-21-43
ID Burley	48	42-32-05	113-47-46	IN Evansville	45	37-53-17	087-32-37

State and City	DTV		State and City	DTV	
	Channel	N. Latitude W. Longitude		Channel	N. Latitude W. Longitude
IN Evansville	54	38-01-27 087-21-43	KY Hazard	12	37-11-38 083-10-52
IN Evansville	46	37-53-14 087-31-07	KY Hazard	16	37-11-34 083-11-16
IN Evansville	59	37-51-56 087-34-04	KY Lexington	22	38-03-56 084-29-13
IN Fort Wayne	4	41-05-38 085-10-48	KY Lexington	40	38-02-03 084-23-39
IN Fort Wayne	19	41-05-40 085-10-36	KY Lexington	42	37-52-45 084-19-33
IN Fort Wayne	24	41-06-08 085-11-04	KY Lexington	59	38-02-22 084-24-11
IN Fort Wayne	36	41-06-33 085-11-44	KY Louisville	8	38-01-59 085-45-16
IN Fort Wayne	40	41-06-13 085-11-28	KY Louisville	17	38-22-02 085-49-53
IN Gary	17	41-20-56 086-12-02	KY Louisville	26	38-22-10 085-50-02
IN Gary	51	41-52-44 087-38-10	KY Louisville	38	38-22-02 085-49-53
IN Hammond	36	41-33-10 087-47-09	KY Louisville	47	38-27-23 085-25-28
IN Indianapolis	9	39-53-25 086-12-20	KY Louisville	49	38-21-00 085-50-57
IN Indianapolis	16	39-53-39 086-12-19	KY Louisville	55	38-21-23 085-50-52
IN Indianapolis	21	39-53-59 086-12-01	KY Madisonville	20	37-24-46 087-31-32
IN Indianapolis	25	39-53-59 086-12-02	KY Madisonville	42	37-11-25 087-30-47
IN Indianapolis	44	39-50-25 086-10-34	KY Morehead	15	38-10-38 083-24-18
IN Indianapolis	45	39-53-20 086-12-07	KY Morehead	21	38-17-25 083-22-56
IN Indianapolis	46	39-55-43 086-10-55	KY Murray	36	36-41-33 088-32-10
IN Kokomo	54	40-20-20 085-57-15	KY Newport	29	39-07-19 084-32-52
IN Lafayette	11	40-23-20 086-36-46	KY Owensboro	30	37-51-06 087-19-43
IN Marion	32	40-08-57 085-56-15	KY Owenton	44	38-31-32 084-48-40
IN Muncie	52	40-09-38 085-22-42	KY Paducah	32	37-11-31 088-58-53
IN Richmond	39	39-30-44 084-38-09	KY Paducah	41	37-05-38 088-40-19
IN Salem	51	38-21-00 085-50-57	KY Paducah	50	37-23-42 088-56-23
IN South Bend	30	41-37-00 086-13-01	KY Pikeville	24	37-17-06 082-31-29
IN South Bend	35	41-36-59 086-11-43	KY Somerset	14	37-10-00 084-49-28
IN South Bend	42	41-36-20 086-12-45	LA Alexandria	26	31-33-56 092-32-50
IN South Bend	48	41-35-43 086-09-38	LA Alexandria	32	31-33-54 092-33-00
IN Terre Haute	24	39-14-36 087-23-07	LA Alexandria	35	31-02-15 092-29-45
IN Terre Haute	36	39-14-33 087-23-29	LA Baton Rouge	25	30-22-22 091-12-16
IN Terre Haute	39	39-13-58 087-23-49	LA Baton Rouge	34	30-19-35 091-16-36
IN Vincennes	52	38-39-06 087-28-37	LA Baton Rouge	42	30-17-49 091-11-40
KS Colby	17	39-15-25 101-21-10	LA Baton Rouge	45	30-19-35 091-16-36
KS Ensign	5	37-38-28 100-20-40	LA Baton Rouge	46	30-21-58 091-12-47
KS Fort Scott	40	37-26-36 094-39-31	LA Columbia	57	32-03-19 092-11-12
KS Garden City	16	37-46-40 100-52-08	LA Lafayette	16	30-21-44 092-12-53
KS Garden City	18	37-39-01 100-40-06	LA Lafayette	23	30-02-38 092-22-14
KS Garden City	42	37-46-06 100-55-04	LA Lafayette	28	30-02-19 092-22-15
KS Goodland	14	39-28-09 101-33-20	LA Lafayette	56	30-19-18 092-22-41
KS Great Bend	22	38-25-54 098-46-18	LA Lake Charles	20	30-23-59 093-00-10
KS Hays	16	38-46-16 098-44-17	LA Lake Charles	30	30-17-26 093-34-35
KS Hays	20	38-53-01 099-20-15	LA Lake Charles	8	30-23-43 093-00-08
KS Hutchinson	19	38-03-40 097-45-49	LA Monroe	19	32-11-45 092-04-10
KS Hutchinson	29	38-03-21 097-46-35	LA Monroe	55	32-11-45 092-04-10
KS Hutchinson	35	37-56-23 097-33-42	LA New Orleans	11	29-57-14 089-56-58
KS Lakin	23	37-49-38 101-06-35	LA New Orleans	14	29-55-11 090-01-29
KS Lawrence	36	38-53-46 095-10-29	LA New Orleans	15	29-58-55 089-56-58
KS Oakley	40	39-07-42 100-51-12	LA New Orleans	29	29-57-14 089-56-58
KS Pittsburg	30	37-13-15 094-42-25	LA New Orleans	30	29-54-23 090-02-23
KS Salina	17	39-06-16 097-23-15	LA New Orleans	31	29-58-57 089-57-09
KS Topeka	23	39-03-51 095-45-49	LA New Orleans	40	29-58-41 089-56-26
KS Topeka	28	39-05-34 095-47-04	LA New Orleans	43	29-57-01 089-57-28
KS Topeka	44	39-00-19 096-02-58	LA New Orleans	50	29-55-11 090-01-29
KS Topeka	48	39-01-34 095-54-58	LA Shreveport	17	32-40-29 093-55-59
KS Wichita	21	37-46-54 097-31-10	LA Shreveport	25	32-40-41 093-55-35
KS Wichita	26	37-56-23 097-30-42	LA Shreveport	28	32-41-08 093-56-00
KS Wichita	31	37-47-47 097-31-59	LA Shreveport	34	32-40-00 093-56-02
KS Wichita	45	37-46-37 097-31-01	LA Shreveport	44	32-40-00 093-56-02
KY Ashland	26	38-27-43 082-37-12	LA Slidell	24	30-17-08 089-54-18
KY Ashland	44	38-25-11 082-24-06	LA West Monroe	36	32-05-41 092-10-39
KY Beattyville	7	37-36-23 083-41-16	LA West Monroe	38	32-30-21 092-08-54
KY Bowling Green	16	37-02-10 086-10-20	MA Adams	36	42-38-14 073-10-07
KY Bowling Green	18	37-03-52 086-26-07	MA Boston	19	42-18-37 071-14-14
KY Bowling Green	33	37-03-52 086-26-07	MA Boston	20	42-18-37 071-14-14
KY Bowling Green	48	37-05-22 086-38-05	MA Boston	30	42-18-37 071-14-14
KY Campbellsville	19	37-10-05 085-18-32	MA Boston	31	42-18-12 071-13-08
KY Covington	24	39-01-50 084-30-23	MA Boston	32	42-20-50 071-04-59
KY Danville	4	37-47-18 084-40-49	MA Boston	39	42-18-12 071-13-08
KY Elizabethtown	43	37-40-55 085-50-32	MA Boston	42	42-18-40 071-13-00
KY Harlan	51	36-48-00 083-22-36	MA Boston	43	42-18-37 071-14-14

State and City	DTV			State and City	DTV		
	Channel	N. Latitude	W. Longitude		Channel	N. Latitude	W. Longitude
MA Cambridge	41	42-18-12	071-13-08	MI Iron Mountain	22	45-49-10	088-02-35
MA Lawrence	18	42-21-29	071-03-40	MI Jackson	34	42-14-08	084-24-00
MA Marlborough	23	42-23-01	071-29-35	MI Kalamazoo	2	42-37-56	085-32-16
MA New Bedford	22	41-46-39	070-55-41	MI Kalamazoo	5	42-18-24	085-39-26
MA New Bedford	49	41-35-48	071-11-24	MI Kalamazoo	45	42-33-52	085-27-31
MA Norwell	52	42-01-36	071-03-35	MI Lansing	38	42-28-03	084-39-06
MA Springfield	11	42-05-05	072-42-14	MI Lansing	51	42-25-11	084-31-26
MA Springfield	55	42-14-30	72-38-57	MI Lansing	59	42-41-14	084-22-35
MA Springfield	58	42-14-30	072-38-54	MI Manistee	17	44-03-57	086-19-58
MA Vineyard Haven	40	41-41-19	070-20-49	MI Marquette	33	46-21-09	087-51-32
MA Worcester	29	42-20-07	071-42-54	MI Marquette	35	46-20-11	087-50-55
MA Worcester	47	42-08-32	072-13-28	MI Mount Clemens	39	42-33-15	082-53-15
MD Annapolis	42	39-00-36	076-36-33	MI Mount Pleasant	56	43-34-24	084-46-21
MD Baltimore	29	39-27-01	076-46-37	MI Muskegon	24	42-57-25	085-54-07
MD Baltimore	38	39-20-05	076-39-03	MI Onondaga	57	42-26-33	084-34-21
MD Baltimore	40	39-17-15	076-45-38	MI Saginaw	30	43-13-01	083-43-17
MD Baltimore	41	39-17-15	076-45-38	MI Saginaw	48	43-13-18	084-03-14
MD Baltimore	46	39-20-10	076-38-59	MI Sault Ste. Marie	49	46-03-49	084-06-08
MD Baltimore	52	39-20-05	076-39-03	MI Sault Ste. Marie	56	46-03-06	084-06-40
MD Baltimore	59	39-20-05	076-39-03	MI Traverse City	31	44-44-54	085-04-08
MD Frederick	28	39-17-53	077-20-35	MI Traverse City	50	44-16-33	085-42-49
MD Hagerstown	16	39-53-31	077-58-02	MI University Center	18	43-33-43	083-58-54
MD Hagerstown	44	39-39-04	077-58-15	MI Vanderbilt	59	45-10-12	084-45-04
MD Hagerstown	55	39-39-35	077-57-57	MN Alexandria	14	45-41-59	095-10-36
MD Oakland	54	39-24-14	079-17-37	MN Alexandria	24	45-41-03	095-08-14
MD Salisbury	21	38-30-16	075-38-35	MN Appleton	31	45-10-03	096-00-02
MD Salisbury	53	38-30-06	075-44-09	MN Austin	20	43-40-34	093-00-09
MD Salisbury	56	38-23-09	075-35-33	MN Austin	33	43-37-42	093-09-12
ME Augusta	17	44-09-16	070-00-37	MN Bemidji	18	47-42-03	094-29-15
ME Bangor	14	44-45-35	068-34-01	MN Brainerd	28	46-25-21	094-27-41
ME Bangor	19	44-42-13	069-04-47	MN Crookston	16	47-46-3-	096-36-36
ME Bangor	25	44-44-10	068-40-17	MN Duluth	17	46-47-41	092-07-05
ME Biddeford	45	43-25-00	070-48-09	MN Duluth	33	46-47-07	092-07-15
ME Calais	15	45-01-44	067-19-24	MN Duluth	38	46-47-31	092-07-21
ME Lewiston	28	43-51-06	070-19-40	MN Duluth	43	46-47-13	092-07-17
ME Orono	22	44-45-36	068-33-59	MN Hibbing	36	47-22-52	092-57-18
ME Poland Spring	46	44-16-13	071-18-13	MN Hibbing	51	47-25-43	092-56-21
ME Portland	4	43-51-06	070-19-40	MN Mankato	38	43-56-14	094-24-41
ME Portland	38	43-55-28	070-29-28	MN Minneapolis	21	45-03-30	093-07-27
ME Portland	44	43-51-32	070-42-40	MN Minneapolis	22	45-03-30	093-07-27
ME Presque Isle	16	46-43-44	068-00-07	MN Minneapolis	26	45-03-30	093-07-27
ME Presque Isle	20	46-33-05	067-48-37	MN Minneapolis	32	45-03-45	093-08-21
MI Alpena	13	44-42-25	083-31-23	MN Minneapolis	35	45-03-44	093-08-21
MI Alpena	57	45-08-17	084-09-44	MN Minneapolis	44	45-03-44	093-08-21
MI Ann Arbor	33	42-22-25	084-04-14	MN Redwood Falls	27	44-29-03	095-29-27
MI Bad Axe	15	43-41-26	082-56-29	MN Rochester	36	43-34-15	092-25-37
MI Battle Creek	20	42-34-15	085-28-11	MN Rochester	46	44-02-39	092-23-56
MI Battle Creek	44	42-40-45	085-03-57	MN St. Cloud	40	45-23-00	093-42-30
MI Bay City	22	43-28-13	083-50-35	MN St. Paul	16	45-03-29	093-07-27
MI Cadillac	40	44-08-12	085-20-33	MN St. Paul	34	45-03-30	093-07-27
MI Cadillac	47	44-08-53	085-20-45	MN St. Paul	50	45-03-45	093-08-22
MI Cadillac	58	44-08-22	085-20-28	MN Thief River Falls	57	48-01-19	096-22-12
MI Calumet	18	47-02-12	088-41-42	MN Walker	20	46-56-03	094-27-25
MI Cheboygan	14	45-39-01	084-20-37	MN Worthington	15	43-53-52	095-56-50
MI Detroit	14	42-29-01	083-18-44	MO Birch Tree	7	36-59-30	091-29-36
MI Detroit	21	42-29-01	083-18-44	MO Bowling Green	50	39-20-2	091-12-02
MI Detroit	41	42-28-15	083-15-00	MO Cape Girardeau	22	37-24-23	089-33-44
MI Detroit	43	42-29-01	083-18-44	MO Cape Girardeau	57	37-25-46	089-30-14
MI Detroit	44	42-26-52	083-10-23	MO Columbia	22	38-46-29	092-33-22
MI Detroit	45	42-28-58	083-12-19	MO Columbia	36	38-53-16	092-15-48
MI Detroit	58	42-27-38	083-12-50	MO Hannibal	29	39-58-22	091-19-54
MI East Lansing	55	42-42-08	084-24-51	MO Jefferson City	12	38-41-28	092-05-43
MI Escanaba	48	46-08-04	086-56-52	MO Jefferson City	20	38-42-16	092-05-20
MI Flint	16	43-13-18	084-03-14	MO Joplin	25	37-04-36	094-32-10
MI Flint	36	43-13-48	084-03-35	MO Joplin	43	37-04-36	094-32-10
MI Flint	52	42-53-57	083-27-42	MO Joplin	46	37-04-33	094-33-16
MI Grand Rapids	7	42-41-13	085-30-35	MO Kansas City	14	39-05-01	094-30-57
MI Grad Rapids	11	42-57-35	085-53-45	MO Kansas City	18	39-04-59	094-28-49
MI Grand Rapids	19	42-41-15	085-31-57	MO Kansas City	24	39-04-15	094-34-57
MI Grand Rapids	39	43-18-34	085-54-44	MO Kansas City	31	38-52-16	094-26-15

State and City	DTV		State and City	DTV	
	Channel	N. Latitude W. Longitude		Channel	N. Latitude W. Longitude
MO Kansas City	34	39-04-20 094-35-45	NC Asheville	45	35-13-20 082-32-58
MO Kansas City	42	39-04-20 094-35-45	NC Asheville	56	35-25-32 082-45-25
MO Kansas City	47	39-04-59 094-28-49	NC Asheville	57	35-10-56 082-40-56
MO Kansas City	51	39-01-19 094-30-50	NC Belmont	47	35-21-44 081-09-19
MO Kirksville	33	40-31-47 092-26-29	NC Burlington	14	35-56-22 079-25-47
MO Poplar Bluff	18	36-48-04 090-27-06	NC Chapel Hill	59	35-51-59 079-10-00
MO Sedalia	15	38-44-47 093-16-30	NC Charlotte	22	35-20-49 081-10-15
MO Springfield	19	37-13-08 092-56-56	NC Charlotte	23	35-21-51 081-11-13
MO Springfield	23	37-13-08 092-56-56	NC Charlotte	24	35-17-14 080-41-45
MO Springfield	28	37-11-40 092-56-04	NC Charlotte	27	35-15-56 080-44-06
MO Springfield	44	37-10-11 092-56-30	NC Charlotte	34	35-15-41 080-43-38
MO Springfield	52	37-13-08 092-56-56	NC Columbia	20	35-53-59 076-20-52
MO St. Joseph	21	39-39-03 094-40-11	NC Concord	44	35-21-30 080-36-37
MO St. Joseph	53	39-46-12 094-47-53	NC Durham	27	35-40-35 078-32-09
MO St. Louis	14	38-21-40 090-32-58	NC Durham	52	35-40-05 078-31-58
MO St. Louis	26	38-31-47 090-17-58	NC Fayetteville	36	34-53-05 079-04-31
MO St. Louis	31	38-34-50 090-19-45	NC Fayetteville	38	35-30-45 078-58-40
MO St. Louis	35	38-34-05 090-19-55	NC Goldsboro	55	35-37-01 078-28-38
MO St. Louis	39	38-28-56 090-23-53	NC Greensboro	33	35-52-13 079-50-25
MO St. Louis	43	38-32-07 090-22-23	NC Greensboro	43	36-08-58 080-03-21
MO St. Louis	56	38-31-47 090-17-58	NC Greensboro	51	35-52-13 079-50-25
MS Biloxi	16	30-45-14 088-56-44	NC Greenville	10	35-21-55 077-23-38
MS Biloxi	39	30-43-25 089-05-29	NC Greenville	21	35-26-44 077-22-08
MS Booneville	55	34-40-00 088-45-05	NC Greenville	23	35-33-01 077-36-02
MS Bude	18	31-22-19 090-45-05	NC Hickory	40	35-43-57 081-19-52
MS Columbus	35	33-45-06 088-52-40	NC High Point	35	35-48-47 079-50-36
MS Greenville	17	33-39-26 090-42-18	NC Jacksonville	34	34-29-38 077-29-18
MS Greenwood	25	33-22-34 090-32-32	NC Jacksonville	44	35-06-18 077-20-15
MS Greenwood	54	33-22-23 090-32-31	NC Kannapolis	50	35-15-41 080-43-38
MS Gulfport	48	30-44-48 089-03-30	NC Lexington	19	35-58-09 079-49-29
MS Hattiesburg	58	31-24-20 089-14-13	NC Linville	54	36-03-47 081-50-33
MS Holly Springs	41	34-59-20 089-41-13	NC Lumberton	25	34-47-51 079-02-41
MS Jackson	20	32-12-46 090-22-54	NC Morehead City	24	3453-01 076-30-21
MS Jackson	21	32-16-39 090-17-41	NC New Bern	48	35-06-18 077-20-15
MS Jackson	41	32-14-26 090-24-15	NC Raleigh	49	35-40-35 078-32-09
MS Jackson	51	32-12-46 090-22-54	NC Raleigh	53	35-40-35 078-32-09
MS Jackson	52	32-14-26 090-24-15	NC Raleigh	57	35-42-52 078-49-01
MS Laurel	28	31-27-12 089-17-05	NC Roanoke Rapids	39	36-17-28 077-50-10
MS Meridian	26	32-18-43 088-41-33	NC Rocky Mount	15	36-06-11 078-11-29
MS Meridian	31	32-19-34 088-41-12	NC Washington	32	35-21-55 077-23-38
MS Meridian	44	32-08-18 089-05-36	NC Wilmington	29	34-07-51 078-11-16
MS Meridian	49	32-19-38 088-41-28	NC Wilmington	30	34-07-51 078-11-16
MS Mississippi State	38	33-21-07 089-08-56	NC Wilmington	46	34-07-51 078-11-16
MS Natchez	49	3140-08 091-41-30	NC Wilmington	54	34-34-43 078-26-13
MS Oxford	36	34-17-26 089-42-24	NC Wilson	42	35-49-53 078-08-50
MS Tupelo	57	33-47-40 089-05-16	NC Winston-Salem	29	36-22-37 080-22-08
MS West Point	16	33-47-40 089-05-16	NC Winston-Salem	31	36-22-31 080-22-27
MT Billings	11	45-45-35 108-27-14	NC Winston-Salem	32	36-22-34 080-22-14
MT Billings	17	45-46-00 108-27-27	ND Bismarck	16	46-35-11 100-48-20
MT Billings	18	45-48-26 108-20-25	ND Bismarck	22	46-35-17 100-48-07
MT Bozeman	16	45-40-24 110-52-02	ND Bismarck	23	46-35-17 100-48-26
MT Bozeman	20	45-40-00 111-03-10	ND Bismarck	31	46-36-19 100-48-30
MT Butte	2	46-00-27 112-26-30	ND Devils Lake	25	48-06-42 098-51-29
MT Butte	15	46-00-27 112-26-30	ND Devils Lake	59	48-08-24 097-59-38
MT Butte	19	46-00-24 112-26-30	ND Dickinson	18	46-56-49 102-59-17
MT Glendive	15	47-03-15 104-40-45	ND Dickinson	19	46-43-30 102-54-58
MT Great Falls	39	47-32-08 111-17-02	ND Dickinson	20	46-43-34 102-54-56
MT Great Falls	44	47-32-09 111-17-02	ND Ellendale	20	46-17-55 098-51-58
MT Great Falls	45	47-36-26 111-21-27	ND Fargo	19	46-40-26 096-13-40
MT Hardin	22	45-44-29 108-08-19	ND Fargo	21	47-00-43 097-11-58
MT Helena	14	46-49-35 111-42-33	ND Fargo	23	47-00-48 097-11-37
MT Helena	29	46-35-47 112-17-47	ND Fargo	58	47-20-36 097-17-17
MT Kalispell	38	48-00-48 114-21-55	ND Grand Forks	56	48-08-24 097-59-38
MT Miles City	13	46-24-48 105-51-04	ND Jamestown	14	46-55-30 098-46-21
MT Miles City	39	46-24-34 105-50-30	ND Minot	15	48-03-13 101-23-05
MT Missoula	27	46-48-09 113-58-21	ND Minot	45	48-03-02 101-20-29
MT Missoula	35	47-01-06 114-00-41	ND Minot	57	48-03-03 101-23-24
MT Missoula	36	47-01-10 114-00-46	ND Minot	58	48-12-56 101-19-05
MT Missoula	40	47-01-04 114-00-47	ND Pembina	15	48-59-42 097-24-26
NC Asheville	25	35-25-32 082-45-25	ND Valley City	38	47-16-45 097-20-18

State and City	DTV		State and City	DTV	
	Channel	N. Latitude W. Longitude		Channel	N. Latitude W. Longitude
ND Williston	14	48-08-22 103-53-24	NM Roswell	28	33-24-58 104-33-59
ND Williston	51	48-08-30 103-53-34	NM Roswell	38	33-22-32 103-46-05
ND Williston	52	48-08-02 103-51-36	NM Roswell	41	33-03-20 103-49-12
NE Albion	23	41-56-26 098-16-56	NM Santa Fe	10	35-47-15 106-31-35
NE Alliance	24	41-50-24 103-03-18	NM Santa Fe	27	35-12-55 106-27-02
NE Bassett	15	42-20-05 099-29-01	NM Santa Fe	29	35-42-05 105-57-58
NE Grand Island	19	40-43-43 098-34-12	NM Silver City	12	32-51-46 108-14-28
NE Grand Island	32	40-35-20 098-48-10	NM Silver City	33	32-46-12 108-16-41
NE Hastings	14	40-46-17 098-05-22	NM Socorro	31	34-03-29 106-53-29
NE Hastings	21	40-39-06 098-23-04	NV Elko	8	40-41-53 115-54-13
NE Hayes Center	18	40-37-29 101-01-58	NV Elko	15	40-50-00 115-45-41
NE Kearney	36	40-39-28 098-52-04	NV Henderson	24	36-00-26 115-00-23
NE Lexington	26	40-23-05 099-27-30	NV Las Vegas	2	36-0030 115-00-20
NE Lincoln	25	40-48-08 097-10-46	NV Las Vegas	7	35-56-44 115-02-33
NE Lincoln	31	40-52-59 097-18-20	NV Las Vegas	11	36-00-27 115-00-24
NE Lincoln	40	41-08-18 096-27-19	NV Las Vegas	16	35-56-44 115-02-31
NE Mccook	12	39-49-48 100-42-04	NV Las Vegas	17	35-56-43 115-02-32
NE Merriman	17	42-40-38 101-42-36	NV Las Vegas	22	36-00-26 115-00-24
NE Norfolk	16	42-14-15 097-16-41	NV Las Vegas	29	35-56-44 115-02-31
NE North Platte	16	41-01-16 101-09-10	NV Paradise	40	36-00-31 115-00-22
NE North Platte	22	41-12-13 100-43-58	NV Reno	15	39-35-01 119-47-52
NE Omaha	17	41-15-28 096-00-32	NV Reno	22	39-35-04 119-47-51
NE Omaha	20	41-18-32 096-01-37NE	NV Reno	23	39-18-49 119-53-00
Omaha	22	41-18-40 096-01-37	NV Reno	26	39-18-47 119-52-59
NE Omaha	38	41-04-15 096-13-30	NV Reno	32	39-15-29 119-42-37
NE Omaha	43	41-04-15 096-13-30	NV Reno	34	39-35-03 119-48-06
NE Omaha	45	41-18-25 096-01-37	NV Reno	44	39-35-25 119-55-40
NE Scottsbluff	20	42-10-21 103-13-57	NV Winnemucca	12	41-00-41 117-45-59
NE Scottsbluff	29	41-59-58 103-39-55	NY Albany	4	42-37-01 074-00-46
NE Superior	34	40-05-13 097-55-13	NY Albany	15	42-47-08 073-37-44
NH Berlin	15	44-22-16 071-12-53	NY Albany	26	42-38-15 073-59-54
NH Concord	33	43-11-04 071-19-12	NY Amsterdam	50	42-59-05 074-10-49
NH Derry	35	42-44-07 071-23-36	NY Batavia	53	42-53-42 078-00-56
NH Durham	57	43-10-33 071-12-29	NY Binghamton	4	42-03-39 075-56-36
NH Keene	49	43-02-00 072-22-04	NY Binghamton	7	42-03-33 075-57-06
NH Littleton	48	44-21-14 071-44-23	NY Binghamton	8	42-03-22 075-56-39
NH Manchester	59	42-58-59 071-35-19	NY Binghamton	42	42-03-22 075-56-39
NH Merrimack	34	42-59-02 071-35-20	NY Buffalo	14	43-01-27 078-55-40
NJ Atlantic City	50	39-22-51 074-27-03	NY Buffalo	32	43-01-48 078-55-15
NJ Atlantic City	49	39-36-48 074-15-50	NY Buffalo	33	42-43-06 078-33-48
NJ Burlington	27	40-02-36 075-14-33	NY Buffalo	34	42-46-58 078-27-28
NJ Camden	22	39-43-41 074-50-39	NY Buffalo	38	42-38-15 078-37-12
NJ Linden	36	40-42-43 074-00-49	NY Buffalo	39	42-39-33 078-37-33
NJ Montclair	51	40-51-53 074-12-03	NY Buffalo	43	43-01-48 078-55-15
NJ New Brunswick	18	40-37-17 074-30-15	NY Carthage	35	43-57-16 075-43-45
NJ Newark	53	40-44-54 073-59-10	NY Corning	50	42-09-43 077-02-15
NJ Newark	61	40-42-43 074-00-49	NY Elmira	2	42-06-22 076-52-17
NJ Newton	8	41-00-36 074-35-39	NY Elmira	55	42-06-20 076-52-17
NJ Paterson	40	40-44-54 073-59-10	NY Garden City	22	40-47-19 073-27-09
NJ Secaucus	38	40-42-43 074-00-49	NY Jamestown	27	42-23-36 079-13-44
NJ Trenton	43	40-17-00 074-41-20	NY Kingston	21	42-05-06 074-06-00
NJ Vineland	66	39-44-07 074-50-29	NY New York	24	40-44-54 073-59-10
NJ West Milford	29	41-07-14 074-12-03	NY New York	28	40-42-43 074-00-49
NJ Wildwood	36	39-07-28 074-45-56	NY New York	30	40-42-43 074-00-49
NM Albuquerque	16	35-12-40 106-26-57	NY New York	33	40-42-43 074-00-49
NM Albuquerque	17	35-12-51 106-27-01	NY New York	44	40-42-43 074-00-49
NM Albuquerque	21	35-12-53 106-27-01	NY New York	45	40-42-43 074-00-49
NM Albuquerque	24	35-12-54 106-27-02	NY New York	56	40-42-43 074-00-49
NM Albuquerque	25	35-12-44 106-26-57	NY North Pole	14	44-34-26 073-40-29
NM Albuquerque	26	35-12-42 106-26-57	NY Norwood	23	44-29-30 074-51-29
NM Albuquerque	42	35-12-41 106-26-56	NY Plattsburgh	38	44-41-43 073-53-00
NM Albuquerque	51	35-12-40 106-26-57	NY Poughkeepsie	27	41-43-09 073-59-47
NM Carlsbad	19	32-47-39 104-12-27	NY Riverhead	57	40-53-50 072-54-56
NM Clovis	20	34-11-34 103-16-44	NY Rochester	16	43-08-07 077-35-03
NM Farmington	8	36-41-48 108-10-39	NY Rochester	28	43-08-07 077-35-03
NM Farmington	17	36-41-43 108-13-14	NY Rochester	45	43-08-07 077-35-02
NM Hobbs	16	32-43-28 103-05-46	NY Rochester	58	43-08-07 077-35-02
NM Las Cruces	23	32-15-24 106-58-34	NY Rochester	59	43-08-07 077-35-03
NM Las Cruces	47	32-02-30 106-27-41	NY Schenectady	34	42-38-13 074-00-06
NM Portales	32	33-33-19 103-39-03	NY Schenectady	39	42-38-12 073-59-45

State and City	DTV Channel	N. Latitude	W. Longitude	State and City	DTV Channel	N. Latitude	W. Longitude
NY Schenectady	43	42-37-37	074-00-40	OK Enid	18	36-28-35	097-53-52
NY Smithtown	23	40-53-23	072-57-13	OK Eufaula	31	35-11-01	095-20-20
NY Springville	46	42-24-16	07839-53	OK Guymon	29	36-40-12	101-28-47
NY Syracuse	17	42-56-42	076-01-28	OK Lawton	23	34-12-55	098-43-13
NY Syracuse	19	42-52-50	076-11-59	OK Oklahoma City	15	35-34-30	097-29-04
NY Syracuse	25	42-56-42	076-01-28	OK Oklahoma City	16	35-33-45	097-29-24
NY Syracuse	44	42-52-50	076-11-59	OK Oklahoma City	24	35-32-58	097-29-18
NY Syracuse	47	42-57-19	076-06-34	OK Oklahoma City	27	35-34-07	097-29-20
NY Syracuse	54	42-56-40	076-07-08	OK Oklahoma City	32	35-32-58	097-29-50
NY Utica	27	43-02-14	075-26-40	OK Oklahoma City	33	35-33-36	097-29-07
NY Utica	29	43-06-09	074-56-27	OK Oklahoma City	39	35-32-58	097-29-50
NY Utica	30	43-08-43	075-10-35	OK Oklahoma City	42	35-35-22	097-29-03
NY Watertown	21	43-52-47	075-43-11	OK Oklahoma City	50	35-34-24	097-29-08
NY Watertown	41	43-51-44	075-43-40	OK Oklahoma City	51	35-22-54	097-29-20
OH Akron	30	41-23-02	081-41-44	OK Okmulgee	28	35-50-02	096-07-28
OH Akron	50	41-04-58	081-38-00	OK Shawnee	29	35-16-50	097-20-14
OH Akron	59	41-03-51	081-34-59	OK Tulsa	22	36-01-36	095-40-44
OH Alliance	46	40-54-23	080-54-40	OK Tulsa	38	36-01-15	095-40-32
OH Athens	27	39-18-50	082-08-54	OK Tulsa	42	36-01-10	095-39-24
OH Bowling Green	56	41-08-13	083-54-23	OK Tulsa	48	36-01-15	095-40-32
OH Cambridge	35	40-05-32	081-17-19	OK Tulsa	49	36-02-34	095-57-11
OH Canton	39	40-51-04	081-16-37	OK Tulsa	55	36-01-15	095-40-32
OH Canton	47	41-06-33	081-20-10	OK Tulsa	56	36-01-15	095-40-32
OH Chillicothe	46	39-35-20	083-06-44	OK Tulsa	58	35-58-09	095-36-55
OH Cincinnati	10	39-07-31	084-29-57	OR Bend	11	44-04-41	121-19-57
OH Cincinnati	31	39-06-58	084-30-05	OR Bend	18	44-04-40	121-19-49
OH Cincinnati	33	39-12-01	084-31-22	OR Coos Bay	21	43-23-26	124-07-46
OH Cincinnati	34	39-07-30	084-31-18	OR Coos Bay	22	43-23-39	124-07-56
OH Cincinnati	35	39-07-27	084-31-18	OR Corvallis	39	44-38-25	123-16-25
OH Cleveland	2	41-23-09	081-41-23	OR Eugene	14	44-06-57	122-59-57
OH Cleveland	15	41-22-27	081-43-06	OR Eugene	17	44-06-57	122-59-57
OH Cleveland	26	41-20-28	081-44-24	OR Eugene	25	44-00-07	123-06-53
OH Cleveland	31	41-21-47	081-42-58	OR Eugene	29	44-00-06	123-06-48
OH Cleveland	34	41-23-02	081-42-06	OR Eugene	31	44-00-04	123-06-22
OH Columbus	13	39-56-16	083-01-16	OR Klamath Falls	29	42-05-50	121-37-59
OH Columbus	14	39-58-15	083-01-39	OR Klamath Falls	33	42-05-50	121-37-59
OH Columbus	21	39-58-16	083-01-40	OR Klamath Falls	40	42-05-48	121-37-57
OH Columbus	36	40-09-33	082-55-21	OR LA Grande	5	45-18-35	117-43-57
OH Columbus	38	40-09-34	082-55-22	OR Medford	15	42-41-49	123-13-39
OH Dayton	30	39-43-28	084-15-18	OR Medford	27	42-17-54	122-44-59
OH Dayton	41	39-44-02	084-14-52	OR Medford	35	42-04-55	122-43-07
OH Dayton	50	39-43-07	084-15-22	OR Medford	38	42-41-32	123-13-46
OH Dayton	51	39-43-15	084-15-39	OR Medford	42	42-41-32	123-13-45
OH Dayton	58	39-43-16	084-15-00	OR Pendleton	8	45-44-51	118-02-11
OH Lima	20	40-44-54	084-07-55	OR Portland	27	45-31-22	122-45-07
OH Lima	47	40-45-47	084-10-59	OR Portland	30	45-31-19	122-44-53
OH Lorain	28	41-22-45	081-43-12	OR Portland	40	45-30-58	122-43-59
OH Mansfield	12	40-45-50	082-37-04	OR Portland	43	45-31-14	122-44-37
OH Newark	24	39-56-53	082-24-33	OR Portland	45	45-30-58	122-43-59
OH Oxford	28	39-30-26	084-44-09	OR Portland	46	45-31-21	122-44-46
OH Portsmouth	17	38-45-42	083-03-41	OR Roseburg	18	43-14-09	123-19-16
OH Portsmouth	43	38-45-42	083-03-41	OR Roseburg	19	43-14-20	123-18-42
OH Sandusky	42	41-23-48	082-47-31	OR Roseburg	45	43-12-22	123-21-56
OH Shaker Heights	10	41-23-15	081-41-43	OR Salm	20	45-00-00	122-41-37
OH Springfield	18	39-54-33	083-51-36	OR Salem	33	45-00-28	122-20-05
OH Steubenville	57	40-19-06	080-24-07	PA Allentown	46	40-33-54	075-26-26
OH Toledo	5	41-44-41	084-01-06	PA Allentown	62	40-33-58	075-26-06
OH Toledo	17	41-40-22	083-22-47	PA Altoona	24	40-34-06	078-26-38
OH Toledo	19	41-41-00	083-24-49	PA Altoona	32	40-34-01	078-26-31
OH Toledo	29	41-39-27	083-25-55	PA Altoona	46	40-34-12	078-26-26
OH Toledo	46	41-39-21	083-26-40	PA Bethlehem	59	40-33-54	075-26-26
OH Toledo	49	41-40-03	083-21-22	PA Clearfield	15	41-07-21	078-26-28
OH Youngstown	20	41-04-46	080-38-25	PA Erie	16	42-02-20	080-03-45
OH Youngstown	3	41-03-43	080-38-07	PA Erie	22	42-02-31	080-03-57
OH Youngstown	41	41-03-28	080-38-42	PA Erie	50	42-02-31	080-03-57
OH Zanesville	40	39-55-42	081-59-06	PA Erie	52	42-03-52	080-00-19
OK Ada	26	34-21-34	096-33-34	PA Erie	58	42-02-24	080-04-08
OK Bartlesville	15	36-30-59	095-46-10	PA Greensburg	50	40-23-30	079-46-51
OK Cheyenne	8	35-35-36	099-40-02	PA Harrisburg	4	40-20-44	076-52-09
OK Claremore	36	36-24-05	095-36-33	PA Harrisburg	36	40-20-45	076-52-06

State and City	DTV		State and City	DTV	
	Channel	N. Latitude W. Longitude		Channel	N. Latitude W. Longitude
PA Harrisburg	57	40-18-57 076-57-02	SD Eagle Butte	25	45-03-20 102-15-40
PA Hazleton	9	41-02-13 076-05-07	SD Florence	25	44-57-57 097-35-22
PA Johnstown	29	40-10-53 079-09-05	SD Huron	22	44-11-39 098-19-05
PA Johnstown	30	40-10-51 079-09-46	SD Lead	29	44-19-30 103-50-14
PA Johnstown	34	40-22-17 078-58-58	SD Lead	30	44-19-36 103-50-12
PA Lancaster	23	40-15-45 076-27-53	SD Lowry	15	45-16-34 099-59-03
PA Lancaster	58	40-02-04 076-37-08	SD Martin	23	43-26-06 101-33-14
PA Philadelphia	26	40-02-39 075-14-26	SD Mitchell	26	43-37-56 097-22-21
PA Philadelphia	32	40-02-21 075-14-13	SD Pierre	19	44-03-07 100-05-03
PA Philadelphia	34	40-02-26 075-14-20	SD Pierre	21	43-57-55 099-35-56
PA Philadelphia	42	40-02-26 075-14-20	SD Rapid City	16	44-04-14 103-15-01
PA Philadelphia	54	40-02-30 075-14-24	SD Rapid City	18	44-04-00 103-15-01
PA Philadelphia	64	40-02-39 075-14-26	SD Rapid City	22	44-04-08 103-15-03
PA Philadelphia	67	40-02-36 075-14-12	SD Rapid City	26	44-03-07 103-14-36
PA Pittsburgh	25	40-29-38 080-01-09	SD Reliance	14	43-57-55 099-36-11
PA Pittsburgh	26	40-26-46 079-57-51	SD Sioux Falls	7	43-29-20 096-45-40
PA Pittsburgh	38	40-26-46 079-57-51	SD Sioux Falls	24	43-32-07 096-44-34
PA Pittsburgh	42	40-26-23 079-43-11	SD Sioux Falls	29	43-31-07 096-32-05
PA Pittsburgh	43	40-29-43 080-00-17	SD Sioux Falls	32	43-31-07 096-32-05
PA Pittsburgh	48	40-27-48 080-00-18	SD Sioux Falls	40	43-51-57 096-37-15
PA Pittsburgh	51	40-16-49 079-48-11	SD Sioux Falls	47	43-30-17 096-33-22
PA Reading	25	40-19-35 075-42-15	SD Vermillion	34	43-03-00 096-47-12
PA Red Lion	30	39-54-18 076-35-00	TN Chattanooga	29	35-12-26 085-16-52
PA Scranton	13	41-10-58 075-52-26	TN Chattanooga	35	35-09-41 085-19-03
PA Scranton	31	41-26-09 075-43-45	TN Chattanooga	40	35-12-34 085-16-39
PA Scranton	32	41-26-09 075-43-33	TN Chattanooga	47	35-08-06 085-19-25
PA Scranton	41	41-10-55 075-52-17	TN Chattanooga	55	35-09-40 085-18-52
PA Scranton	49	41-10-58 075-52-21	TN Cleveland	42	34-55-57 084-58-32
PA Wilkes-Barre	11	41-11-01 075-52-02	TN Cookeville	36	36-07-44 085-20-47
PA Williamsport	29	41-11-57 077-07-38	TN Cookeville	52	36-10-26 085-20-37
PA York	47	40-01-38 076-36-00	TN Crossville	50	36-06-33 084-20-17
RI Block Island	17	41-29-41 071-47-05	TN Greeneville	38	36-01-24 082-42-56
RI Providence	13	41-52-37 071-16-56	TN Hendersonville	51	36-28-02 086-28-53
RI Providence	21	41-48-18 071-28-24	TN Jackson	39	35-47-22 089-06-14
RI Providence	51	41-51-54 071-17-15	TN Jackson	43	35-38-15 088-41-32
RI Providence	54	41-52-14 071-17-45	TN Jellico	23	36-24-36 084-10-38
SC Allendale	33	33-11-13 081-23-54	TN Johnson City	58	36-25-55 082-08-15
SC Anderson	14	34-38-51 082-16-13	TN Kingsport	27	36-25-54 082-08-15
SC Beaufort	44	32-42-44 080-40-49	TN Knoxville	17	36-00-19 083-56-23
SC Charleston	35	32-47-15 079-51-00	TN Knoxville	26	36-00-13 083-56-35
SC Charleston	40	32-56-24 079-41-45	TN Knoxville	30	36-00-36 083-55-57
SC Charleston	49	32-55-28 079-4-58	TN Knoxville	31	36-00-19 083-56-23
SC Charleston	52	32-55-28 079-41-58	TN Knoxville	34	35-59-20 083-57-45
SC Charleston	53	32-55-28 079-41-58	TN Lebanon	44	36-09-13 086-22-46
SC Charleston	59	32-56-24 079-41-45	TN Lexington	47	35-42-12 088-36-10
SC Columbia	8	34-03-23 080-58-49	TN Memphis	25	35-12-11 089-48-16
SC Columbia	17	34-05-49 080-45-51	TN Memphis	28	35-10-52 089-49-56
SC Columbia	32	34-07-07 080-56-12	TN Memphis	29	35-09-17 089-49-20
SC Columbia	41	34-07-27 080-45-25	TN Memphis	31	35-09-17 089-49-20
SC Columbia	48	34-02-39 080-59-52	TN Memphis	51	35-12-41 089-48-54
SC Conway	58	33-57-05 079-06-31	TN Memphis	52	35-10-09 089-53-12
SC Florence	16	34-21-53 079-19-49	TN Memphis	53	35-10-28 089-50-41
SC Florence	20	34-21-53 079-19-49	TN Murfreesboro	38	36-04-54 086-25-57
SC Florence	45	34-16-46 079-44-37	TN Nashville	10	36-08-27 086-51-56
SC Florence	56	34-22-02 079-19-22	TN Nashville	15	36-08-27 086-51-56
SC Greenville	9	34-56-26 082-24-38	TN Nashville	21	36-15-50 086-47-38
SC Greenville	35	34-56-26 082-24-41	TN Nashville	23	35-55-20 086-42-46
SC Greenville	59	35-06-40 082-36-17	TN Nashville	27	36-02-49 086-49-49
SC Greenwood	18	34-22-21 082-10-03	TN Nashville	46	36-02-49 086-49-49
SC Hardeeville	27	32-02-48 081-20-27	TN Nashville	56	36-16-05 086-47-16
SC Myrtle Beach	18	34-11-19 079-11-00	TN Sneedville	41	36-22-52 083-10-48
SC Rock Hill	15	34-50-24 081-01-07	TX Abilene	24	32-16-38 099-35-51
SC Rock Hill	39	35-21-44 081-09-19	TX Abilene	29	32-17-13 099-44-20
SC Spartanburg	43	34-53-09 081-49-15	TX Alvin	36	29-34-06 095-29-57
SC Spartanburg	53	35-10-12 082-17-27	TX Amarillo	9	35-17-34 101-50-42
SC Sumter	28	33-52-52 080-16-14	TX Amarillo	15	35-20-33 101-49-21
SC Sumter	38	33-54-52 080-17-39	TX Amarillo	19	35-18-52 101-50-47
SD Aberdeen	17	45-29-55 097-40-35	TX Amarillo	21	35-20-33 101-49-21
SD Aberdeen	28	45-06-32 097-53-30	TX Amarillo	23	35-22-29 101-52-58
SD Brookings	18	44-20-10 097-13-41	TX Arlington	42	32-35-24 096-58-21

State and City	DTV		State and City	DTV	
	Channel	N. Latitude W. Longitude		Channel	N. Latitude W. Longitude
TX Austin	21	30-19-33 097-47-58	TX Laredo	19	27-30-03 099-30-37
TX Austin	22	30-19-20 097-48-10	TX Llano	27	30-40-36 098-33-59
TX Austin	33	30-19-20 097-48-10	TX Longview	31	32-15-35 094-57-02
TX Austin	43	30-19-10 097-48-06	TX Lubbock	25	33-33-12 101-49-13
TX Austin	49	30-19-33 097-47-58	TX Lubbock	27	33-30-57 101-50-54
TX Austin	56	30-18-36 097-47-33	TX Lubbock	35	33-30-08 101-52-20
TX Baytown	41	29-17-56 095-14-11	TX Lubbock	40	33-31-33 101-52-07
TX Beaumont	21	30-08-24 093-58-44	TX Lubbock	39	33-34-55 101-53-25
TX Beaumont	33	30-10-41 093-54-26	TX Lubbock	43	33-32-32 101-50-14
TX Beaumont	50	30-11-26 093-53-08	TX Lufkin	43	31-25-09 094-48-02
TX Belton	47	30-59-12 097-37-47	TX Mcallen	46	26-05-20 098-03-4
TX Big Spring	33	32-15-14 101-26-44	TX Midland	26	32-05-14 102-17-12
TX Brownsville	24	26-05-59 097-50-16	TX Nacogdoches	18	31-24-28 094-45-53
TX Bryan	29	30-41-18 096-25-35	TX Odessa	15	31-59-17 102-51-59
TX Bryan	59	30-33-10 096-01-50	TX Odessa	22	31-51-59 102-22-50
TX College Station	12	30-37-48 096-20-33	TX Odessa	23	32-05-51 102-17-21
TX Conroe	5	30-15-45 095-14-50	TX Odessa	31	31-51-50 102-34-41
TX Conroe	42	30-13-50 095-07-25	TX Odessa	43	32-02-53 102-17-44
TX Corpus Christi	18	27-46-50 097-38-03	TX Port Arthur	40	30-09-31 093-59-11
TX Corpus Christi	23	27-39-12 097-33-55	TX Rio Grande City	20	26-25-47 098-49-25
TX Corus Christi	27	27-45-11 097-38-14	TX Rosenberg	46	29-33-25 095-30-04
TX Corpus Christi	47	27-39-29 097-36-04	TX San Angelo	11	31-22-01 100-02-48
TX Corpus Christi	50	27-44-28 097-36-08	TX San Angelo	16	31-37-22 100-26-14
TX Dallas	9	32-35-06 096-58-41	TX San Angelo	19	31-35-21 100-31-00
TX Dallas	14	32-34-43 096-57-12	TX San Antonio	16	29-31-25 098-43-25
TX Dallas	32	32-35-22 096-58-10	TX San Antonio	20	29-19-33 098-21-25
TX Dallas	35	32-35-06 096-58-41	TX San Antonio	30	29-17-27 098-16-12
TX Dallas	36	32-35-22 096-58-10	TX San Antonio	38	29-17-39 098-15-30
TX Dallas	40	32-35-07 096-58-06	TX San Antonio	39	29-17-39 098-15-30
TX Dallas	45	32-35-22 096-58-10	TX San Antonio	48	29-16-11 098-15-31
TX Decatur	30	32-52-16 096-55-22	TX San Antonio	55	29-16-10 098-15-55
TX Del Rio	28	29-20-39 100-51-39	TX San Antonio	58	29-16-10 098-15-55
TX Denton	43	32-35-22 096-58-10	TX Sherman	20	34-01-58 096-48-00
TX Eagle Pass	18	28-43-32 100-28-35	TX Snyder	10	32-46-52 100-53-52
TX El Paso	15	31-48-55 106-29-20	TX Sweetwater	20	32-24-48 100-06-25
TX El Paso	16	31-48-18 106-28-57	TX Temple	50	31-16-24 097-13-14
TX El Paso	17	31-47-15 106-28-47	TX Texarkana	15	32-54-12 094-00-23
TX El Paso	18	31-47-46 106-28-57	TX Texarkana	50	33-25-29 094-02-34
TX El Paso	25	31-47-46 106-28-57	TX Tyler	38	32-32-21 095-13-16
TX El Paso	30	31-47-15 106-28-47	TX Victoria	15	28-48-06 096-33-09
TX El Paso	39	31-48-55 106-29-17	TX Victoria	34	28-46-41 096-57-38
TX El Paso	51	31-48-55 106-29-17	TX Waco	20	31-30-31 097-10-03
TX Fort Worth	18	32-35-22 096-58-10	TX Waco	26	31-20-15 097-18-37
TX Fort Worth	19	32-34-43 096-57-12	TX Waco	53	31-19-19 097-18-58
TX Fort Worth	41	32-35-15 096-57-59	TX Waco	57	31-18-52 097-19-37
TX Fort Worth	51	32-45-01 097-16-07	TX Weslaco	13	26-09-54 097-48-45
TX Galveston	23	29-17-56 095-14-11	TX Wichita Falls	15	34-12-06 098-43-44
TX Galveston	47	29-27-57 095-13-23	TX Wichita Falls	22	33-54-04 098-32-21
TX Garland	24	32-54-04 096-41-14	TX Wichita Falls	28	33-53-23 098-33-20
TX Greenville	46	33-09-32 096-08-34	UT Cedar City	14	37-32-32 113-04-05
TX Harlingen	31	26-08-55 097-49-17	UT Cedar City	44	37-40-41 113-04-08
TX Harlingen	34	26-13-00 097-46-48	UT Monticello	41	37-52-12 109-20-30
TX Harlingen	38	26-07-14 097-49-18	UT Ogden	29	40-39-25 112-12-07
TX Houston	9	29-34-28 095-29-37	UT Ogden	34	40-36-30 112-09-34
TX Houston	19	29-34-34 095-30-36	UT Provo	17	39-51-54 111-53-39
TX Houston	24	29-33-25 095-30-04	UT Provo	39	40-36-28 112-09-33
TX Houston	27	29-34-28 095-29-37	UT Salt Lake City	27	40-39-12 112-12-06
TX Houston	31	29-33-40 095-30-04	UT Salt Lake City	28	40-39-33 112-12-08
TX Houston	32	29-34-27 095-29-37	UT Salt Lake City	35	40-36-23 112-09-47
TX Houston	35	29-34-06 095-29-57	UT Salt Lake City	38	40-39-35 112-12-05
TX Houston	38	29-34-06 095-29-57	UT Salt Lake City	40	40-36-50 112-11-05
TX Houston	44	29-33-25 095-30-04	UT Salt Lake City	42	40-36-29 112-09-36
TX Irving	48	32-35-24 096-58-21	UT St. George	9	37-03-49 113-34-20
TX Jacksonville	22	32-03-40 095-18-50	VA Arlington	15	38-56-24 077-04-54
TX Katy	52	29-33-40 095-30-04	VA Ashland	47	37-44-32 077-15-18
TX Kerrville	32	29-36-37 098-53-35	VA Bristol	28	36-26-57 082-06-31
TX Killeen	23	31-18-52 097-19-37	VA Charlottesville	14	37-58-58 078-29-00
TX Lake Dallas	54	33-00-19 096-59-00	VA Charlottesville	32	37-59-00 078-28-54
TX Laredo	14	27-31-14 099-31-19	VA Danville	41	36-30-36 079-28-23
TX Laredo	15	27-40-21 099-39-51	VA Fairfax	57	38-52-28 077-13-24

State and City	DTV		State and City	DTV	
	Channel	N. Latitude W. Longitude		Channel	N. Latitude W. Longitude
VA Front Royal	21	38-57-36 078-19-52	WA Yakima	33	46-31-58 120-30-33
VA Goldvein	30	38-37-42 077-26-20	WI Appleton	59	44-21-30 087-58-48
VA Grundy	49	36-49-47 082-04-45	WI Chippewa Falls	49	44-57-27 091-40-08
VA Hampton	41	36-49-00 076-28-05	WI Eagle River	28	45-46-30 089-14-55
VA Hampton-Norfolk	16	36-48-32 076-30-13	WI Eau Claire	15	44-57-39 091-40-05
VA Harrisonburg	49	38-36-05 078-37-57	WI Eau Claire	39	44-39-51 090-57-41
VA Lynchburg	20	37-19-14 079-37-59	WI Fond Du Lac	44	43-21-44 088-53-45
VA Lynchburg	56	37-18-52 079-38-04	WI Green Bay	23	44-24-35 088-00-05
VA Manassas	43	38-47-16 077-19-49	WI Green Bay	41	44-21-30 087-58-48
VA Marion	42	36-54-01 081-32-35	WI Green Bay	42	44-24-35 088-00-05
VA Norfolk	38	36-48-32 076-30-13	WI Green Bay	51	44-24-31 087-59-29
VA Norfolk	46	36-48-32 076-30-13	WI Green Bay	56	44-24-21 088-00-19
VA Norfolk	58	36-48-56 076-28-00	WI Janesville	32	42-43-40 089-13-54
VA Norton	32	36-53-52 082-37-22	WI Kenosha	40	42-45-38 087-57-55
VA Petersburg	22	37-30-46 077-36-06	WI LA Crosse	14	43-48-23 091-22-04
VA Portsmouth	19	36-48-43 076-27-49	WI LA Crosse	17	43-48-16 091-22-18
VA Portsmouth	31	36-49-14 076-30-41	WI LA Crosse	30	43-48-17 091-22-06
VA Richmond	24	37-30-46 077-36-06	WI LA Crosse	53	44-05-28 091-20-15
VA Richmond	25	37-34-00 077-28-36	WI Madison	11	43-03-21 089-32-06
VA Richmond	26	37-30-22 077-42-03	WI Madison	19	43-03-03 089-29-13
VA Richmond	44	37-30-46 077-36-06	WI Madison	20	43-03-21 089-32-06
VA Richmond	54	37-30-23 077-30-12	WI Madison	26	43-03-21 089-32-06
VA Roanoke	3	37-11-45 080-09-18	WI Madison	50	43-03-21 089-32-06
VA Roanoke	17	37-11-46 080-09-16	WI Manitowoc	19	44-07-31 087-37-41
VA Roanoke	18	37-11-42 080-09-22	WI Mayville	43	43-26-11 088-31-34
VA Roanoke	30	37-12-02 080-08-55	WI Menomonie	27	45-02-49 091-51-47
VA Roanoke	36	37-11-35 080-09-29	WI Milwaukee	8	43-05-38 087-54-10
VA Staunton	11	38-09-54 079-18-51	WI Milwaukee	22	43-05-15 087-54-12
VA Virginia Beach	29	36-49-14 076-30-41	WI Milwaukee	25	43-05-15 087-54-13
VT Burlington	16	44-31-40 072-48-58	WI Milwaukee	28	43-05-29 087-54-07
VT Burlington	32	44-31-32 072-48-54	WI Milwaukee	33	43-05-24 087-53-47
VT Burlington	43	44-31-32 072-48-54	WI Milwaukee	34	43-06-41 087-55-38
VT Burlington	53	44-31-36 072-48-57	WI Milwaukee	35	43-05-48 087-54-19
VT Hartford	25	43-26-38 072-27-17	WI Milwaukee	46	43-06-42 087-55-50
VT Rutland	56	43-39-32 073-06-25	WI Milwaukee	61	43-05-48 087-54-19
VT St. Johnsbury	18	44-34-16 071-53-39	WI Park Falls	47	45-56-43 090-16-28
VT Windsor	24	43-26-15 072-27-09	WI Racine	48	43-05-15 087-54-01
WA Bellevue	32	47-36-17 122-19-46	WI Rhinelander	16	45-40-02 089-12-27
WA Bellevue	50	47-30-14 121-58-29	WI Superior	19	46-47-21 092-06-51
WA Bellingham	19	48-40-48 122-50-23	WI Suring	21	44-44-00 088-15-25
WA Bellingham	35	48-40-40 122-49-48	WI Wausau	24	44-55-14 089-41-31
WA Centralia	19	46-33-16 123-03-26	WI Wausau	29	44-55-14 089-41-31
WA Everett	31	47-37-55 122-20-59	WI Wausau	40	44-55-14 089-41-31
WA Kennewick	44	46-06-11 119-07-54	WV Bluefield	14	37-13-08 081-15-39
WA Pasco	18	46-05-51 119-11-30	WV Bluefield	46	37-15-21 081-10-55
WA Pullman	17	46-51-43 117-10-26	WV Charleston	19	38-25-15 081-55-27
WA Richland	26	46-06-11 119-07-47	WV Charleston	39	38-28-12 081-46-35
WA Richland	38	46-06-23 119-07-50	WV Charleston	41	38-24-28 081-54-13
WA Seattle	25	47-36-57 122-18-26	WV Clarksburg	28	39-1-02 080-20-37
WA Seattle	38	47-37-55 122-21-09	WV Clarksburg	52	39-17-06 080-19-46
WA Seattle	39	47-38-01 122-21-20	WV Grandview	53	37-53-46 080-59-21
WA Seattle	41	47-36-58 122-18-28	WV Huntington	23	38-30-34 082-13-09
WA Seattle	44	47-36-17 122-19-46	WV Huntington	34	38-29-41 082-12-03
WA Seattle	48	47-37-55 122-20-59	WV Huntington	54	38-30-21 082-12-33
WA Spokane	13	47-55-18 117-06-48	WV Lewisburg	48	37-46-22 080-42-25
WA Spokane	15	47-34-52 117-17-47	WV Martinsburg	12	39-27-27 078-03-53
WA Spokane	20	47-35-42 117-17-53	WV Morgantown	33	39-41-45 079-45-45
WA Spokane	30	47-34-44 117-17-46	WV Oak Hill	50	37-57-30 081-09-03
WA Spokane	36	47-36-04 117-17-3	WV Parkersburg	49	39-20-59 081-33-56
WA Spokane	39	47-34-34 117-17-58	WV Weston	58	39-04-27 080-25-28
WA Tacoma	14	47-32-50 122-47-39	WV Wheeling	32	40-03-41 080-45-08
WA Tacoma	18	47-32-53 122-48-22	WY Casper	15	42-44-26 106-21-34
WA Tacoma	27	47-16-41 122-30-42	WY Casper	17	42-44-03 106-20-00
WA Tacoma	36	47-36-56 122-18-29	WY Casper	18	42-44-37 106-18-31
WA Tacoma	42	47-32-53 122-48-22	WY Cheyenne	11	41-08-55 104-57-22
WA Vancouver	48	45-31-22 122-45-07	WY Cheyenne	28	41-02-55 104-53-28
WA Wenatchee	46	47-19-26 120-13-55	WY Cheyenne	30	41-06-01 105-00-23
WA Yakima	14	46-31-57 120-30-37	WY Jackson	14	43-27-42 110-45-10
WA Yakima	16	46-31-59 120-30-26	WY Lander	7	42-53-43 108-43-34
WA Yakima	21	46-31-58 120-30-33	WY Lander	8	42-34-59 108-42-36

State and City	DTV Channel	N. Latitude	W. Longitude	State and City	DTV Channel	N. Latitude	W. Longitude
WY Rawlins	9	41-46-15	107-14-25				
WY Riverton	16	43-27-26	108-12-02				
WY Rock Springs	21	41-26-21	109-06-42				
WY Sheridan	21	44-37-20	107-06-57				
GU Agana	2	13-25-53	144-42-36(E)				
GU Agana	4	13-25-53	144-42-36(E)				
GU Agana	5	13-26-13	144-48-17(E)				
GU Tamuning	17	13-30-09	144-48-17(E)				
PR Aguada	62	18-19-06	067-10-49				
PR Aguadilla	17	18-19-06	067-10-42				
PR Aguadilla	34	18-18-46	067-11-09				
PR Aguadilla	69	18-09-00	066-59-00				
PR Arecibo	53	18-14-06	066-45-36				
PR Arecibo	61	18-27-21	066-52-59				
PR Bayamon	59	18-16-40	066-06-38				
PR Caguas	56	18-16-54	066-06-46				
PR Caguas	57	18-16-40	066-06-38				
PR Carolina	51	18-16-44	065-51-12				
PR Fajardo	16	18-18-36	065-47-41				
PR Fajardo	33	18-18-36	065-47-41				
PR Guayama	45	18-16-48	065-51-08				
PR Humacao	49	18-16-44	065-51-12				
PR Mayaguez	23	18-09-05	066-59-20				
PR Mayaguez	29	18-09-03	066-59-21				
PR Mayaguez	35	18-09-00	066-59-00				
PR Mayaguez	63	18-19-06	067-10-42				
PR Naranjito	65	18-17-34	066-16-02				
PR Ponce	15	18-10-11	066-34-38				
PR Ponce	19	18-04-50	066-44-50				
PR Ponce	25	18-04-50	066-44-54				
PR Ponce	43	18-10-09	066-34-36				
PR Ponce	47	18-04-50	066-44-50				
PR Ponce	66	18-09-17	066-33-16				
PR San Juan	21	18-16-47	065-51-14				
PR San Juan	27	18-06-42	066-03-05				
PR San Juan	28	18-06-54	066-03-10				
PR San Juan	31	18-16-30	066-05-36				
PR San Juan	32	18-18-36	065-47-41				
PR San Juan	55	18-06-42	066-03-05				
PR SanSebastian	39	18-19-06	067-10-42				
PR Yauco	41	18-10-10	066-34-36				
VI Charlotte Amalie	44	18-21-26	064-56-50				
VI Charlotte Amalie	48	18-21-24	064-56-47				
VI Charlotte Amalie	50	18-21-23	064-56-43				
VI Christiansted	5	17-44-53	064-43-40				
VI Christiansted	20	17-45-21	064-47-56				

## APPENDIX C SUPPLEMENTAL FINAL REGULATORY FLEXIBILITY ANALYSIS

As required by the Regulatory Flexibility Act (RFA),<sup>1</sup> an Initial Regulatory Flexibility Analysis was incorporated into the Fourth Further Notice of Proposed Rule Making<sup>2</sup> and the Sixth Further Notice of Proposed Rule Making in this proceeding,<sup>3</sup> a Final Regulatory Flexibility Analysis (FRFA) was incorporated into the subsequent Fifth Report and Order<sup>4</sup> and the Sixth Report and Order,<sup>5</sup> and Supplemental Final Regulatory Flexibility Analyses (Supplemental FRFAs) were incorporated in the Memorandum Opinion and Order on Reconsideration of the Fifth Report and Order<sup>6</sup> (Service Reconsideration Order) and the Memorandum Opinion and Order on Reconsideration of the Sixth Report and Order (Allotment Reconsideration Order).<sup>7</sup> None of the petitions for reconsideration of the Service Reconsideration Order or the Allotment Reconsideration Order raised issues concerning the Supplemental FRFAs.

### A. **Need for, and Objectives of, this Memorandum Opinion and Order**

In the Fifth Report and Order, the Commission adopted rules for the transition to DTV service, including eligibility standards for the initial DTV channels, a construction schedule, a requirement that broadcasters continue to provide a free, over-the-air television service, and a simulcast requirement phased-in at the end of the transition period. In the Service Reconsideration Order, the Commission addressed petitions for reconsideration of its eligibility standards for the initial DTV channels and other elements of its rules and procedures for broadcasters to convert to DTV service. In the Sixth Report and Order, the Commission adopted policies, procedures and technical criteria for use in conjunction with operation of broadcast digital television (DTV) service, adopted a DTV Table of Allotments, adopted a plan for the recovery of a portion of the spectrum currently allocated to TV broadcasting, and provided procedures for assigning DTV frequencies. In the Allotment Reconsideration Order, the Commission addressed petitions for reconsideration of its decisions on the DTV Table of Allotments, policies and rules for the initial DTV allotments, procedures for assigning those allotted channels, and plans for spectrum recovery. In the present Memorandum Opinion and Order, the Commission addresses petitions

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1 See 5 U.S.C. §§ 603, 604. The RFA, see 5 U.S.C. § 601 et seq., has been amended by the Contract With America Advancement Act of 1996, Pub. L. No. 1045-121, 110 Stat. 847 (1996) (CWAAA). Title II of the CWAAA is the Small Business Regulatory Enforcement Fairness Act of 1996 (SBREFA).

<sup>2</sup> 10 FCC Rcd 10540, 10555 (1995).

<sup>3</sup> 11 FCC Rcd 10968, 11060 (1996).

<sup>4</sup> 12 FCC Rcd 12809, 12867 (1997)

<sup>5</sup> 12 FCC Rcd 14588, 14768 (1997).

<sup>6</sup> 13 FCC Rcd 6860 (1998).

<sup>7</sup> 13 FCC Rcd 7418 (1998).

for reconsideration of both the Service Reconsideration Order and the Allotment Reconsideration Order. Throughout this proceeding, we have sought to allot DTV channels in a manner that is most efficient for broadcasters and the public and least disruptive to broadcast television service during the period of transition from NTSC to DTV service. We wish to ensure that the spectrum is used efficiently and effectively through reliance on market forces, and ensure that the introduction of digital TV fully serves the public interest.

**B. Summary of Significant Issues Raised by the Public In Response to the Supplemental FRFAs**

None.

**C. Description and Estimate Of The Number Of Small Entities To Which The Rules Will Apply**

As noted, Final Regulatory Flexibility Analyses were incorporated into the Fifth Report and Order and the Sixth Report and Order. In those analyses, we described in detail the small entities that might be significantly affected by the rules adopted in the Fifth Report and Order<sup>8</sup> and the Sixth Report and Order.<sup>9</sup> Those entities included full service television stations, TV translator facilities, and LPTV stations. In addition, while we did not believe that television equipment manufacturers, manufacturers of television equipment used by consumers, and computer manufacturers constituted regulated entities for the purpose of those previous FRFAs, we included them in the analysis of the FRFAs because we thought that some rule changes and textual discussions in the Fifth Report and Order and the Sixth Report and Order might ultimately have some affect on equipment compliance. In the present Memorandum Opinion and Order we address reconsideration petitions filed in response to the Service Reconsideration Order and the Allotment Reconsideration Order. In this present Supplemental FRFA, we hereby incorporate by reference the description and estimate of the number of small entities from the previous FRFAs in this proceeding.<sup>10</sup>

**D. Description of Projected Reporting, Recordkeeping and Other Compliance Requirements**

The rules adopted will result in no changes in current reporting, recordkeeping, or other compliance requirements.

**E. Steps Taken to Minimize Significant Economic Burdens on Small Entities, and Significant Alternatives Considered**

As noted in the previous FRFAs, the DTV Table of Allotments will affect all of the commercial and noncommercial broadcast television stations eligible for a DTV channel in the transition period and a

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<sup>8</sup> 12 FCC Rcd 12867.

<sup>9</sup> 12 FCC Rcd 14776.

<sup>10</sup> Id.

significant number of the LPTV and TV translator stations.<sup>11</sup> LPTV and TV translator stations, especially, are likely to be small entities. It is expected that the allotments will constitute the population of channels on which broadcasters will operate DTV service in the near future. Affected stations will need to modify or obtain new transmission facilities and, to a varying extent, production equipment to operate on the new DTV channels. The actual cost of equipment is expected to vary in accordance with the degree to which the station becomes involved in DTV programming and origination.

Considering this and other information, the Memorandum Opinion and Order makes the following changes to the Commission's DTV policies:

1) Reaffirms the Commission's initial DTV eligibility standards and denies requests by several petitioners that we change the channel of certain DTV allotments that conflict with the NTSC allotments for which they have submitted applications or petitions for rule making. (In general, these petitioners filed applications that had not been accepted or acted upon by the Commission because they contained a request for waiver of the 1987 *Freeze Order*.) The MO&O does, however, grant the petitioners' alternative suggestion that they be permitted to modify their existing applications to specify alternative channels that do not conflict with the DTV allotments. This will allow those parties to continue to pursue their outstanding investments in seeking a new stations wherever possible.

2) Grants Fox's request that we modify our decision to limit initial maximization requests to 200 kW, subject to certain conditions. Accordingly, the item permits parties to submit requests for DTV power increases above 200 kW, up to the 1000 kW maximum. Such requests must include an engineering showing that demonstrates compliance with the *de minimis* interference standard with all affected stations assumed to be operating at the DTV power level specified for their allotment or at 200 kW, whichever is greater. Requests will be placed on public notice for 30 days and any objections to the increase above 200 kW must be resolved by the applicant. This action will allow a number of stations to construct their initial DTV facilities with greater than 200 kW effective radiated power and thereby avoid the need for them to undertake a more costly two-stage construction process to achieve higher power in the future, after the current 200 kW limitation on power increases is lifted.

3) Grants Dispatch's request for modification of the operating requirements for DTV stations to provide licensees with greater flexibility in scheduling their DTV operations in the early phases of the DTV implementation process. In particular, the rules have been modified to allow stations, both commercial and noncommercial, that voluntarily commence DTV service early full flexibility in determining the schedule on which they operate their DTV service. Thereafter, such stations must operate in accordance with the existing requirement that they provide at least one free over-the-air DTV video program at no charge to viewers, at any time their associated NTSC stations are operating.

4) Grants a number of individual requests for changes in the initial DTV allotments.

These actions do not alter in any significant way the previous FRFAs and Supplemental FRFAs or the potential effect of the rules on any small entities that may be subject to them.

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<sup>11</sup> 12 FCC Rcd at 14776.

The Commission will send a copy of the Memorandum Opinion and Order, including the Supplemental FRFA, to the Chief Counsel for Advocacy of the Small Business Administration. In addition, a copy of the Memorandum Opinion and Order and Supplemental FRFA (or summaries thereof) will be published in the Federal Register. See 5 U.S.C. § 604(b).

**APPENDIX D  
AMENDMENTS TO THE RULES**

Parts 73 and 74 of the Commission's Rules and Regulations (chapter I of title 47 of the Code of Federal Regulations) are amended as follows:

**PART 73 -- RADIO BROADCAST SERVICES**

1. The authority citation for part 73 continues to read as follows:

Authority: 47 U.S.C. 154, 303, 334 and 336.

2. Section 73.622 is amended by removing the designation "c" from entries in paragraph (b) to read as follows:

under CALIFORNIA, channel 63 at Concord  
under CALIFORNIA, channel 39 at Corona  
under CALIFORNIA, channel 48 at Porterville  
under CALIFORNIA, channels 21, 35, \*53 and 55 at Sacramento  
under CALIFORNIA, channel 43 at Salinas  
under CALIFORNIA, channel 61 at San Bernardino  
under CALIFORNIA, channel 41 at San Jose  
under CONNECTICUT, channel \*52 at Bridgeport  
under FLORIDA, channel \*44 at Boca Raton  
under FLORIDA, channel 22 at Miami  
under HAWAII, channel 31 at Honolulu  
under HAWAII, channel \*7 at Lihue  
under ILLINOIS, channels 19 and 43 at Chicago  
under ILLINOIS, channel 16 at Rockford  
under INDIANA, channel 51 at Salem  
under MASSACHUSETTS, channel 29 at Worcester  
under MICHIGAN, channel \*55 at East Lansing  
under MICHIGAN, channel 51 at Lansing  
under NEW HAMPSHIRE, channel \*49 at Keene  
under NEW HAMPSHIRE, channel 59 at Manchester  
under NEW JERSEY, channel \*18 at New Brunswick  
under NEW YORK, channel \*42 at Binghamton  
under NEW YORK, channel 56 at New York  
under NEW YORK, channel 19 at Syracuse  
under NEW YORK, channel 21 at Watertown  
under OHIO, channel 42 at Sandusky  
under OHIO, channels 19 and 49 at Toledo  
under OHIO, channel 20 at Youngstown

under PENNSYLVANIA, channel \*62 at Allentown  
 under PENNSYLVANIA, channel 64 at Philadelphia  
 under PENNSYLVANIA, channels 25 and \*26 at Pittsburgh  
 under RHODE ISLAND, channel 17 at Block Island  
 under TENNESSEE, channel \*29 at Memphis  
 under TEXAS, channel 44 at Houston  
 under VIRGINIA, channel 43 at Manassas  
 under VIRGINIA, channel 22 at Petersburg  
 under WASHINGTON, channel 46 at Wenatchee  
 under PUERTO RICO, channel \*16 at Fajardo  
 under PUERTO RICO, channels 29 and 35 at Mayaguez

3. Section 73.622 is amended by adding or revising the following entries in the table in paragraph(b) to read as follows:

§ 73.622 DTV Table of Allotments.

\* \* \* \* \*

(b) DTV Table of Allotments

\* \* \* \* \*

ARIZONA

\* \* \* \* \*

Kingman 19, \*46

\* \* \* \* \*

CALIFORNIA

\* \* \* \* \*

Barstow 44

Blythe \*4

Calipatria 50

\* \* \* \* \*

Clovis 44c

Coalinga \*22

Concord 63c

\* \* \* \* \*

Huntington Beach \*48

Long Beach 61c

Los Angeles 31c, 35c, 36, \*41c, 42, 43,  
53c, \*59c, 60, 65c, 66

\* \* \* \* \*

San Bernardino \*26, 38

\* \* \* \* \*

### COLORADO

\* \* \* \* \*

Colorado Springs 10, 22c, 24

Craig \*48

Denver 16, 17, \*18, 19, 32c, 34,  
35, \*40, 43, 51c

\* \* \* \* \*

Glenwood Springs 23, \*39

Grand Junction 2, 7, 12c, 15, \*17

La Junta \*30

Lamar \*50

Leadville \*49

Longmont 29

\* \* \* \* \*

### FLORIDA

\* \* \* \* \*

Bradenton \*5, 42

\* \* \* \* \*

Live Oak 48  
Marathon \*34  
Melbourne 20, 48

\* \* \* \* \*

IDAHO

Boise \*21, 26, 28  
Burley \*48  
Caldwell 10c

\* \* \* \* \*

Twin Falls 16, \*22, 34  
Weiser \*34

ILLINOIS

\* \* \* \* \*

INDIANA

\* \* \* \* \*

Evansville 28, 45c, 46, \*54, 59

\* \* \* \* \*

IOWA

\* \* \* \* \*

Cedar Rapids 27, 47, 51, 52  
Centerville \*44  
Council Bluffs \*33c

\* \* \* \* \*

KANSAS

\* \* \* \* \*

Garden City 16, 18, \*42

\* \* \* \* \*

Lawrence 36  
Oakley \*40  
Pittsburg 30

\* \* \* \* \*

### MINNESOTA

\* \* \* \* \*

Hibbing 36, \*51

\* \* \* \* \*

### MISSOURI

\* \* \* \* \*

Birch Tree \*7  
Bowling Green \*50  
Cape Girardeau 22, 57

\* \* \* \* \*

### MONTANA

\* \* \* \* \*

Miles City 13, \*39

\* \* \* \* \*

### NEVADA

Elko 8, \*15

\* \* \* \* \*

### NEW JERSEY

Atlantic City 49, 50

\* \* \* \* \*

NEW MEXICO

\* \* \* \* \*

Las Cruces \*23c, 47

\* \* \* \* \*

Roswell 28c, 38, 41

\* \* \* \* \*

Silver City 12, \*33  
Socorro \*31

NEW YORK

\* \* \* \* \*

OKLAHOMA

\* \* \* \* \*

Eufala \*31  
Guymon \*29  
Lawton 23

\* \* \* \* \*

TEXAS

\* \* \* \* \*

Longview 31  
Lubbock 25, 27, 35c, \*39, 40, 43

\* \* \* \* \*

Texarkana 15, \*50

\* \* \* \* \*

UTAH

\* \* \* \* \*

Cedar City	14,	44
Monticello	*41	
Ogden	29,	*34

\* \* \* \* \*

4. Section 73.622 is amended by revising paragraph (e) to read as follows:

§ 73.622 Digital television table of allotments.

\* \* \* \* \*

(e) DTV Service Areas.

(1) The service area of a DTV station is the geographic area within the station’s noise-limited F(50,90) contour where its signal strength is predicted to exceed the noise-limited service level. The noise-limited contour is the area in which the predicted F(50, 90) field strength of the stations’s signal, in dB above 1 microvolt per meter (dBu) as determined using the method in section 73.625(b), exceeds the following levels (these are the levels at which reception of DTV service is limited by noise):

	dBu
Channels 2-6	28
Channels 7-13	36
Channels 14-69	41

(2) Within this contour, service is considered available at locations where the station’s signal strength, as predicted using the terrain dependent Longley-Rice point-to-point propagation model, exceeds the levels above. Guidance for evaluating coverage areas using the Longley-Rice methodology is provided in OET Bulletin No. 69. Copies of OET Bulletin No. 69 may be inspected during normal business hours at the: Federal Communications Commission, 1919 M St., N.W., Dockets Branch (Room 239), Washington, DC, 20554. This document is also available through the Internet on the FCC Home Page at <http://www.fcc.gov>.

5. Section 73.623 is amended by re-designating the existing paragraph (f) as paragraph (g) and adding a new paragraph (f), to read as follows:

§ 73.623 DTV applications and changes to DTV allotments.

\* \* \* \* \*

(f) Parties requesting new allotments on channel 6 be added to the DTV Table must submit an engineering study demonstrating that no interference would be caused to existing FM radio stations on FM channels 200-220.

\* \* \* \* \*

6. Section 73.624 is amended by revising paragraph (b) to read as follows:

§ 73.624 Digital Television Broadcast Stations.

\* \* \* \* \*

(b) At any time that a DTV broadcast station permittee or licensee transmits a video program signal on its analog television channel, it must also transmit at least one over-the-air video program signal at no direct charge to viewers on the DTV channel that is licensed to the analog channel, *provided* that, before the date on which DTV station is required to be constructed under paragraph (d) of this section, the DTV broadcast station permittee or licensee is not subject to any minimum schedule for operation on the DTV channel. The DTV service that is provided pursuant to this paragraph must be at least comparable in resolution to the analog television station programming transmitted to viewers on the analog channel, but subject to paragraph (f) of this section, DTV broadcast stations are not required to simulcast the analog programming.

\* \* \* \* \*

**PART 74 – EXPERIMENTAL RADIO, AUXILIARY, SPECIAL BROADCAST AND OTHER PROGRAM DISTRIBUTION SERVICES**

7. The authority citation for part 74 continues to read as follows:

Authority: 47 U.S.C. 154, 303, 307, and 554.

8. Section 74.706 is amended by revising paragraph (d)(1) to read as follows:

§ 74.706 Digital TV (DTV) station protection.

\* \* \* \* \*

(d) \* \* \*

(1) - 2 dB or less for co-channel operations. This maximum L/D ratio for co-channel interference to DTV service is only valid at locations where the signal-to-noise (S/N) ratio is 25 dB or greater. At the edge of the noise-limited service area, where the S/N ratio is 16 dB, the maximum L/D ratio for co-channel interference from analog low power TV, TV translator or TV booster service into DTV service is -21 dB. At locations where the S/N ratio is greater than 16 dB but less than 25 dB, the maximum L/D field strength ratios are found from the following Table (for values between measured values, linear interpolation can be used):

Signal-to-Noise Ratio(dB)	DTV-to-Low Power Ratio(dB)
16.00	21.00
16.35	19.94
17.35	17.69
18.35	16.44
19.35	7.19
20.35	4.69
21.35	3.69
22.35	2.94
23.35	2.44
25.00	2.00

\* \* \* \* \*