



# TV White Spaces

## Unlicensed Wireless Microphones Venue Registration System Beta Test and Status Report and Implementation Planning Update

July 9, 2012

Office of Engineering and Technology  
Wireless Telecommunications Bureau  
Spectrum Bridge, Inc.  
Telcordia Technologies, Inc.



# Overview of Meeting

- TVWS project status report
- Plan for nationwide TVWS operation
- Beta Test plan
- FCC UWM venue registration approval system
- Spectrum Bridge UWM event registrations
- Telcordia UWM event registrations
- Synchronization of event registrations
- Questions



# TV White Spaces Status

## ***A Long and Winding Road!***

- *Notice of Proposed Rule Making* in ET Dkt. 04-186 - 5/13/2004
- *First Report and Order and Further NPRM* - 10/12/2006
- *Prototype Testing and Reports* - 2007-2008
- *Second Report and Order* - 11/4/2008
- *Second Memorandum Opinion and Order* - 9/23/10
- ***Third Memorandum Opinion and Order* - 4/4/12**



# Implementation Activity

- Jan. 26, 2011, the Commission's Office of Engineering and Technology issued an *Order* in ET Docket 04-186, DA 11-131 that conditionally designated TVWS Data Base Administrators: Comsearch, Frequency Finder Inc., Google Inc., KB Enterprises LLC and LS Telcom, Key Bridge Global LLC, Neustar Inc., Spectrum Bridge Inc., Telcordia Technologies, and WSdb; later added Microsoft
- March – May 2011 held 3 public workshops plus additional meetings & dialogue; Extensive info at: <http://transition.fcc.gov/oet/whitespace/>
- Sept. 14, 2011: Announced 1<sup>st</sup> TVWS data base test - Spectrum Bridge
- Dec. 2, 2011: Announced 2<sup>nd</sup> TVWS data base test - Telcordia
- Dec. 22, 2011: Approved first data base administrator - Spectrum Bridge
- Dec. 22, 2011: Approved first TVWS device – Koos Technical Services, Inc. (KTS)
- Jan. 26, 2012: First commercial deployment - Wilmington, NC
- March 26, 2012: Approved second data base administrator – Telcordia
- April 19, 2012: Approved second device – Adaptrum; authorized deployment in Nottaway, VA
- April 4, 2012: 3<sup>rd</sup> MO&O addressing petitions for reconsiderations
- Waivers to register distant receive sites in databases (for protection)



# What We Are Doing

- Accepting & processing applications for equipment certification
- Continuing process to approve data base administrators
- Establishing wireless microphone registration process
- Completing procedure for update receive channels
- Preparing for nationwide authorization - Beta testing and outreach





# Plan for Nationwide TVWS Operation

- Beta Test of Unlicensed Wireless Microphone Registration System
  - FCC venue approval system
  - Spectrum Bridge and Telcordia event registrations systems
  - Address feedback, lessons learned
- Activate FCC venue approval system and conduct outreach (will collect user feedback)
- Provide time for UWM registrations to be approved (30-day process)
- Authorize database administrators to provide service nationwide
- Additional refinements as appropriate



# Beta Test of UWM Registrations

- Allow examination of UWM registration systems by 4 parties with large venues
- Three week test period to examine systems and provide feedback
  - Test to end July 30, 2012
- FCC venue approval system (access to test system through FCC facilities only)
- Spectrum Bridge and Telcordia test systems accessible from test parties facilities
- FCC staff will collect feedback and develop responses



# Beta Test of UWM Registrations

- Submit Beta Test comments to:
  - [alan.stillwell@fcc.gov](mailto:alan.stillwell@fcc.gov)
  - [mary.bucher@fcc.gov](mailto:mary.bucher@fcc.gov)
- Comments will be posted to the OET TVWS webpage at:  
<http://www.fcc.gov/encyclopedia/white-space-database-administration>



# FCC Unlicensed Wireless Microphone Venue Registration Approval System

Diane Dupert  
Wireless Telecommunications Bureau  
Gettysburg, PA



# Spectrum Bridge Unlicensed Wireless Microphone Event Registrations

Robin Roberts  
Spectrum Bridge, Inc.

Access Event Registration System at <http://whitespaces.spectrumbridge.com/>



# Telcordia Technologies, Inc.

## Unlicensed Wireless Microphone Event Registrations

Anthony Triolo  
Telcordia Technologies, Inc.

Access Event Registration System at <http://www.telcordia.com/whitespaces>



# Synchronization of Registrations



# Questions/Discussion



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