



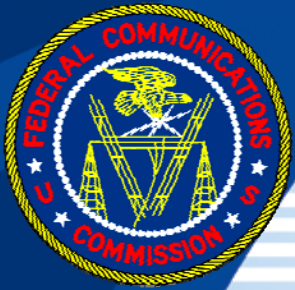
# **Grant Conditions, SAR Listings on Grants, SAR Listings in User Manuals**

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# Overview

- Status update for KDB Draft 821551 about uniform grant conditions, notes, comments, and remarks
- Updates to KDB 690783 for SAR listings on grant certificates
- Updates to KDB 212821 general guidance for SAR listing in user manuals



# **Uniform Grant Conditions KDB Draft 821551 Status Update**



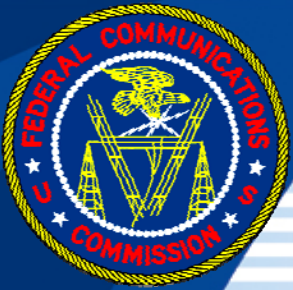
# Background

- Principles for TCB uniform processing
  - Equipment certifications by TCBs must be in accordance with FCC rules and policies, including procedures
  - TCBs may not certify equipment for which rules or requirements do not exist or are unclear to apply
  - TCBs must recognize situations where interpretations of rules or test procedures are needed
- Detailed uniform guidance for TCBs about grant conditions was provided in 2000; mainly covered RF exposure matters
- Variations, modifications, adaptations, extensions from that are still being used now for many grants



# KDB Draft 821551

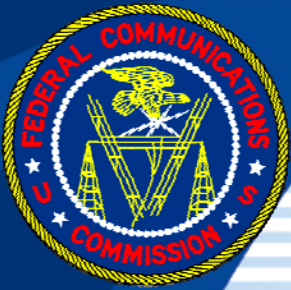
- KDB DRAFT 821551 was published in Oct. 2011 for 30-day public comment
- Only limited inputs were received
- Changes and updates for 821551 are still in preparation
- With the anticipated scope of changes, the DRAFT will be posted again for public commenting – planned June 2012
- Updates entailed by the Apr. 2012 RF exposure policies and procedures changes are to be addressed



# Approaches for Draft 821551

- TCB inputs still requested and welcome about structure and contents for uniform grant conditioning guidance document
  - Top-20 most used “building block” statements, or
  - Grant notes for Top-20 basic device types, or
  - e-filing system alphanumeric coded notes, or
  - Please let us know other suggestions or approaches
    - What approaches are used by TCBs?





## Co-location Grant Conditions

- Co-location-restricted and/or stand-alone-evaluated transmitters installed in an enclosure for simultaneous operation with one or more other transmitter(s)
  - Uniform processing general guidance since 2000 was for a co-location grant restriction whenever simultaneous transmission conditions were not evaluated in filings
  - It is not the intent presently to require Class II permissive change filings for all multi-transmitter device installations, even when the component transmitters have co-location grant restrictions



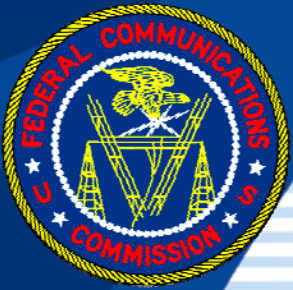
## Co-location Grant Conditions

- The evolved guidance of KDB 447498 and related documents allows cases where different grant notes can be appropriate
- Procedures of KDB 447498 and related documents should be used to address the intended and reasonably expected simultaneous transmission (co-location) operating configurations for a device
- No co-location (and/or no simultaneous transmission) grant condition if used needs appropriate justification in filings





# **SAR Listings on Grants Update to KDB 690783**



# SAR Listings Update

- Uniform SAR listings are useful for quick indications that filings have evaluated appropriate exposure conditions, and especially whether simultaneous transmission conditions are applicable
- Other headings and numberings have been added to KDB 690783, to distinguish the basic standard and product standard items
- Various wording is adjusted for clarification



# SAR Listings Update

- Devices such as dedicated-mode wireless router / hotspot should use the following
  - Where a specific device has only simultaneous transmission end-use operations: The highest reported SAR value is ### W/kg
  - Where a specific device has stand-alone and simultaneous transmission end-use operations: The highest reported SAR values for stand-alone and simultaneous transmission conditions are ### W/kg and ### W/kg, respectively.
- Filings must describe the supported transmitting modes and operations



# SAR Listings Update

- For dedicated-mode wireless-router / wireless-hotspot devices
  - TCBs please ensure that the SAR results, grant comments, and user instructions are not listed as being for body-worn accessory use (i.e. see also KDB 941225 D06)
- Overall, variations in SAR listing formats for any devices should not be used without strong justifications in filings
  - For example, do not use “near-body,” “limbs,” “face” for the SAR results exposure conditions



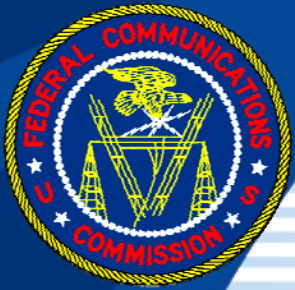
# **SAR in User Manuals Update to KDB 212821**



# SAR in User Manuals

- General guidance in KDB 212821 is updated for SAR listings in user manuals for handsets
- When a phone manufacturer includes SAR numbers in user instructions, the information must be correct, and match exactly what is in the SAR report
- Where SAR values are based on use of a body-worn accessory, such operating requirements must be clearly disclosed in user instructions
- The minimum separation distance required to maintain SAR compliance must be clearly identified, to enable users to understand the SAR numbers





# Questions and Answers

**Thanks!**