



# Power Measurement Issues Updates

TCB Workshop

10/9/2012

Steven Jones



# Update to DTS Measurement Procedures – KDB 558074

- Briefed draft DTS measurement procedures KDB in April
- Subsequently placed draft KDB on website for comment
- Received comments from external sources, internal sources and C63 WWG members
- Final KDB Published with following changes/modifications



# Changes/Modifications to DTS Measurement Procedure

- Measurement of Duty Cycle with Spectrum Analyzer (Section 5.0)
  - Changed the minimum RBW specification from a function of the signal bandwidth to a function of the transmission duration
  - Removed the requirement to use a peak detector
  
- DTS Bandwidth Measurement (Section 7.1)
  - Revised RBW specification from 100 kHz to 1-5% of signal BW, up to a maximum of 100 kHz
  
- Antenna-Port Conducted Measurements in Non-Restricted Bands (Section 10.1)
  - Corrected error in Paragraph #2 to reflect a true dBc measurement
  
- Antenna-Port Conducted Measurements in Restricted Bands (Section 10.2)
  - Reworked to avoid changing limit units
  - Instead, guidance provided to change conducted output power to equivalent Electric Field Strength
  
- Integrated power measurement procedure added as an option to Marker-Delta method for band-edge measurement (Section 10.2.5)



# Wireless Communications Service (WCS)

- Briefed the WCS/SDARS rulemaking in April, 2011
- Petition for Reconsideration has been pending since then
- Order on Reconsideration slated for vote at October agenda meeting
- Should be able to provide updated guidance at next TCB Workshop



# C63.10 Status Update

- C63.10-20xx, “*National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices*” was circulated for ballot following April meeting
  - 19 of 27 ballots returned
  - 16 approved, 2 disapproved, 1 abstention
- 113 individual comments submitted
  - Balloting review committee has met once and has a second meeting scheduled to resolve the open items
- Once open items are resolved, the document will be re-circulated for ballot only with respect to the proposed changes
- Proposed Schedule:
  - October 23, 2012 (tentative): technical balloting committee to complete editing
  - November 2012: Revised draft forwarded to IEEE for recirculation
  - Early 2013: Final publication



# C63.26 Status Update

- Fifth draft of C63.26, “*National Standard of Procedures for Compliance Testing of Licensed Wireless Devices*”, circulated for comments on September 27<sup>th</sup>
- Comments reviewed at WWG meeting of October 1<sup>st</sup> and 2<sup>nd</sup>
- Proposed Schedule
  - February 2013: circulation of 6<sup>th</sup> draft
  - April 2013: final review of 6<sup>th</sup> draft at WWG meeting and requisite editing
  - October 2013: circulate draft to SC1 and WWG to begin balloting process



# Questions and Answers

**Thanks!**