

Update and Status of Select ANSI C63 Standards

TCB Workshop
October 14th, 2020



C63.4: Unintentional Emissions Measurements

- Motion to forward draft standard to Parent Committee for balloting narrowly passed in March 2020.
- Parent Committee requested that the Working Group explore options to achieve consensus.
- Subsequently, WG Chair temporarily sidelined for health reasons and Vice Chair resigned upon employment change.
- Working Group voted on 10/8 to approve an option to facilitate consensus under new Vice Chair.
 - Retain the “should” modal verb (optional) for the maximation (2 dB rule) procedure as normative but make it “shall” (required) in the informative Annex K.
 - Provides industry time to familiarize with the procedure in Annex K while also providing labs with a method for use in scrutinizing amplitude measurements when necessary.



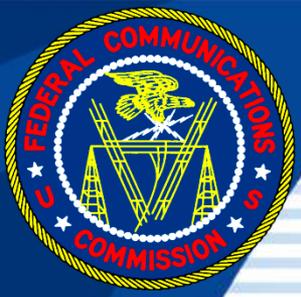
C63.25.1: Radiated Test Site Validation Methods 1-18 GHz

- New standard published in March 2019
- Specifies methodologies for calibrating radiated test sites that are currently defined in C63.4 standard but which are being transitioned into a new series of standards being developed and maintained by C63.25 Working Group.
 - C63.25.1 is the first in the series and covers the 1-18 GHz frequency range.
 - C63.25.2 is the second in the series and will cover the 30-1000 MHz frequency range.
 - Currently in editing and progressing rapidly.
- Petition for rulemaking request for FCC to adopt new C63.25.1 Standard is currently pending.



C63.10: Procedures for Compliance Testing of Unlicensed Wireless Devices

- Draft revision of C63.10-2014 approved by the ANSI Board of Standards Review on September 9th, 2020.
- Final publication pending.
- Working group has suspended activity until work on a new version begins.



C63.26: Procedures for Compliance Testing of Licensed Transmitters

- Revision to C63.26-2015 standard proceeding.
- mmWave Task Group meeting regularly to explore possible alternative test sites for radiated tests in millimeter-wave region of the electromagnetic spectrum, *e.g.*,
 - Compact Antenna Test Range (CATR),
 - Reverberation Chamber.



C63.29: Lighting Products

- Developing new standard to include procedures for compliance testing of general illumination lighting products.
- Finalizing procedures for compliance testing of dimmer switches.
 - Some controversy within WG as to how compliance tests should be performed.
- Task Group being established to focus on dimmer testing.
- Completion likely delayed pending Task Group progress.



C63.30: Wireless Power Transfer Products

- Provides procedures for compliance testing to applicable regulatory requirements for different types of Wireless Power Transfer products such as:
 - large in-situ installations,
 - electric vehicles,
 - desktop chargers, etc.
- Test procedures focus on radiated field and conducted measurements.
- Draft standard has been finalized.
- Balloting group now being formed by IEEE secretariat.



C63.31: ISM Equipment

- Developing general and *in-situ* procedures for regulatory compliance testing of traditional ISM equipment such as:
 - industrial heaters,
 - dielectric heaters,
 - food tempering equipment,
 - microwave ovens,
 - medical diathermy equipment, etc.
- Draft standard progressing
 - Test site requirements and handling of *in-situ* test sites have been resolved.
 - Test setups and methodologies undergoing development.



C63.19: Hearing Aid Compatibility (HAC)

- Wireless Telecommunications Bureau released Notice of Proposed Rulemaking (NPRM) on January 30th, 2020 proposing to incorporate new ANSI C63.19-2019 standard into the FCC wireless HAC rules and recognize it as exclusive.
- The record for this proceeding has now closed.
- Next step is for Commission to adopt and release a Report and Order (R&O).
- No specific time frame for R&O has been established but will likely be driven by March 1, 2021 HAC volume control deadline.



Questions?