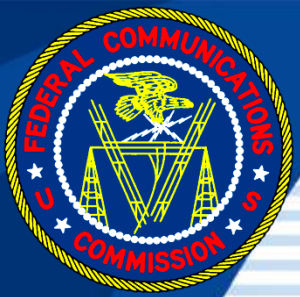


# Update and Status of Select ANSI C63 Standards

TCB Workshop  
November 13th, 2019



# ANSI C63.4a-2017 Unintentional Radiators - Amendment

- FCC Public Notice (PN) DA 19-152 released on April 2<sup>nd</sup>, 2019 seeking public comment on proposal to incorporate C63.4a-2017 (and ISO/IEC 17025:2017(E)) into FCC Part 15 rules.
- Filed comments available for review in Electronic Comment Filing System (ECFS) under Docket 19-48
- FCC currently considering comments received and considering next step.



# C63.4 Unintentional Radiators

## Full Revision

- WG pursuing aggressive schedule to complete revision by end of CY 2019
- Substantive changes/updates
  - Incorporation of C63.4a amendment changes (e.g., Annex D)
  - Radiated test sites to satisfy  $S_{VSWR}$  requirements for validation from 1-18 GHz, with new option to use Time Domain approach specified in recently published C63.25.1



## C63.4 Full Revision (continued)

- Substantive changes/updates (continued)
  - Updates to the 2 dB rule for rack-mounted equipment with multiple card/cable slots
  - Other updates and editorial fixes (e.g., modal verb usage, ensure normative references to most recent version of standards, etc.)



# C63.10 Unlicensed Wireless Devices Full Revision

- Draft revision of C63.10-2013 was circulated within SC4 prior to C63 F2F meeting in May 2019
- Comments from first draft circulation addressed and resolved at meeting
- Ballot Committee Formed in September 2019
- Ballot has been circulated with deadline of November 14<sup>th</sup>, 2019
- Publication anticipated in CY2020



# C63.26 Licensed Transmitters Revision

- Revisions to ANSI C63.26-2015 standard continue.
  - Updates to Radiated Emissions and Signal Booster clauses completed.
  - Compliance test procedures for mmWave devices under Part 30 requirements complete and being integrated into standard
  - Procedures for compliance testing of radar devices to Part 95M requirements recently completed by Task Group and being integrated into standard.
  - Far field distance measurement option to be included as informative appendix
- Publication of revised C63.26 standard anticipated in CY 2020.



## C63.29 Lighting Products

- Standard will include TRIAC-on and TRIAC-off procedures for measuring dimmers
  - Specific measurement requirements TBD by relevant regulatory authorities
- Developing standardized procedures for testing LED drivers and electronic transformers
  - Considering variants in EUT loading conditions
- Considering use of a LISN as an impedance-stable “voltage-probe”



# C63.30 Wireless Power Transfer Products

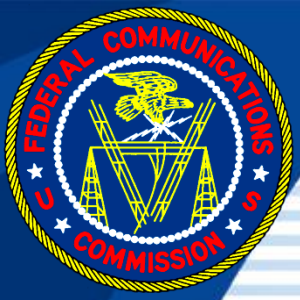
- Standard has entered final draft stage
  - Attempting to complete a final draft for circulation by end of calendar year
- Includes procedures for compliance testing of wireless power transfer (WPT) products for use in tabletop, mobile, and light-duty vehicle applications
- Sub 30-MHz task group performing testing to assess test site and measurement antenna equivalencies
  - open field vs. alternative (SAC) test site
  - 60 cm loop vs. large loop antenna systems





## C63.31 ISM Equipment

- Developing general and *in-situ* measurement procedures for use in acquiring the requisite data to demonstrate compliance to technical standards applicable to Industrial, Scientific, and Medical (ISM) equipment as defined in Subpart C of Part 18.
- Intended as an update to “*FCC Methods of Measurements of Radio Noise Emissions from Industrial, Scientific, and Medical Equipment*” (MP5), published in 1986
- Work progressing slowly



# Questions?