



Hearing Aid Compatibility

Discussion

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Martin Perrine

Federal Communications Commission

Office of Engineering and Technology

Laboratory Division/ Audit and Compliance Branch



ANSI C63.19 (old slide)

- The 2001 version has been revised in 2005.
- Version 2005 was accepted by C63 and is currently in draft 3.5 and going through final ANSI/IEEE processing. FCC also accepted.
- The primary changes for phone RF emission testing are
 - a relocation of the measurement grid,
 - added details for system verification,
 - revision of the probe conversion factor procedure,
 - adjustments to the exclusion block allowance,
 - Wording and procedure clean up.



C63.19 Activities

- C63.19 now in draft 3.12 and is out for ANSI public review. Not accepted by FCC yet.
 - New RFI ratings by band (+10 dB at 800 MHz)
 - Clarification of peak power for PMF
 - Generalization of RF emission measurement to include wideband probe.
 - Error, format and typo correction.
- New amendment in process to address T-coil issues.



TCB Reviews

- Discuss the measured values for the AM and WD signals relative those expected.
- Use of channel power in the case of CW and CDMA and 0 sweep for AM may introduce inconsistencies in the results. One consistent approach is preferable.
- Provide data demonstrating that measurement to probe center is conservative.



TCB Reviews

- Use WD power levels for PMF determination.
- Provide additional details justifying the conversion to peak; particularly the procedure used to measure power. Provide 0 span spectrum plots or power meter details if applicable.
- Describe the processing chain from diode output, to raw measurement, and conversion to final peak value. Include a discussion of averaging and measurement time windows and similar.



TCB Reviews

- Collocation procedures used may not fully address HAC. Please discuss all intended uses for the WLAN and BT during voice held to ear usage.
- Clarify if this device has cdma2000 operation as user manual suggests. Filings should be clear about transmitter setup & operation capabilities to ensure devices are configured properly



TCB Reviews

- Measurement with all antennas and other accessories. Check past filings
- New modes of operation
 - EDGE is part of GSM but should be tested if there is voice usage.
 - CDMA 2000, test all modes or justify subset testing.
 - UMTS is separate air interface.