

Errata to American National Standard for Procedures for Compliance Testing of Unlicensed Wireless Devices Amendment 1

USEMCSC C63® Committee on Electromagnetic Compatibility

Accredited by the
American National Standards Institute

Secretariat
Institute of Electrical and Electronics Engineers, Inc.

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Correction Sheet
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12. Testing of Unlicensed National Information Infrastructure (U-NII) devices

Insert subclause 12.9 as follows:

12.9 Undesirable/Unwanted emission measurement procedures

The proper test method is selected based on band of operation.

NOTE—In the context of FCC Part 15.407(b) undesirable emissions are being measured and in the context of RSS-248 unwanted emissions are being measured.

12.9.1 Average measurement procedures in the 5925 MHz to 7125 MHz band

- a) Measure the 26 dB EBW using the test procedure in 12.5.1 ~~12.4.1~~. (This will be used to determine the channel edge.)
- b) Measure the power spectral density (which will be used for emissions mask reference) using the following procedure:
 - 1) Set the span to encompass the entire 26 dB EBW of the signal.
 - 2) Set RBW = same RBW used for 26 dB EBW measurement.
 - 3) Set VBW $\geq 3 \times$ RBW.
 - 4) Number of points in sweep $\geq [2 \times \text{span} / \text{RBW}]$.
 - 5) Sweep time = auto.
 - 6) Detector = RMS (i.e., power averaging).
 - 7) Trace average at least 100 traces in power averaging (rms) mode.
 - 8) Use the peak search function on the instrument to find the peak of the spectrum.
 - 9) For the purposes of developing the emission mask, the channel bandwidth is defined as the 26 dB EBW.
 - 10) Adjust the span to encompass the entire mask as necessary.
 - 11) Clear trace.
 - 12) Trace average at least 100 traces in power averaging (rms) mode.
 - 13) Adjust the reference level as necessary so that the crest of the channel touches the top of the emission mask.
- c) Results shall be reported by providing spectral plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).