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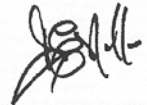
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NAME OF TEST: Unwanted Emissions (Transmitter Conducted)

LIMIT(S), dBc: -(50+10xLOG P) = -57 (5 Watts)
 -(50+10xLOG P) = -66 (40 Watts)

STATE: 1:Low Power g0110012: 2001-Jan-02 Tue 11:35:00

FREQUENCY TUNED, MHz	FREQUENCY EMISSION, MHz	LEVEL, dBm	LEVEL, dBc	MARGIN, dB
400.010000	800.033000	-41.1	-78	-21.1
415.010000	830.017000	-41.8	-78.7	-21.8
429.990000	859.976000	-42.7	-79.6	-22.7
400.010000	1200.046000	-43.6	-80.5	-23.6
415.010000	1245.451000	-43.4	-80.3	-23.4
429.990000	1289.904000	-43.6	-80.5	-23.6
400.010000	1599.849000	-42.3	-79.2	-22.3
415.010000	1660.467000	-42.5	-79.4	-22.5
429.990000	1719.614000	-42.3	-79.2	-22.3
400.010000	1999.617000	-42.9	-79.8	-22.9
415.010000	2075.059000	-42.7	-79.6	-22.7
429.990000	2150.363000	-42.3	-79.2	-22.3
400.010000	2399.726000	-42.4	-79.3	-22.4
415.010000	2489.968000	-42.8	-79.7	-22.8
429.990000	2579.718000	-44.1	-81	-24.1
400.010000	2800.503000	-45	-81.9	-25
415.010000	2905.028000	-44.8	-81.7	-24.8
429.990000	3009.823000	-44.2	-81.1	-24.2
400.010000	3200.397000	-44.7	-81.6	-24.7
415.010000	3320.203000	-44.8	-81.7	-24.8
429.990000	3440.310000	-44.4	-81.3	-24.4
400.010000	3599.803000	-45.4	-82.3	-25.4
415.010000	3734.960000	-44.3	-81.2	-24.3
429.990000	3869.636000	-45.2	-82.1	-25.2
400.010000	4000.178000	-44.7	-81.6	-24.7
415.010000	4150.551000	-42.6	-79.5	-22.6
429.990000	4299.467000	-45.3	-82.2	-25.3
400.010000	4399.699000	-42.7	-79.6	-22.7
415.010000	4565.385000	-44.2	-81.1	-24.2
429.990000	4729.511000	-44.9	-81.8	-24.9
400.010000	4800.098000	-42.4	-79.3	-22.4
415.010000	4980.041000	-44.6	-81.5	-24.6
429.990000	5159.796000	-45.1	-82	-25.1
400.010000	5199.903000	-43.9	-80.8	-23.9
415.010000	5395.046000	-44.4	-81.3	-24.4
429.990000	5590.063000	-44.8	-81.7	-24.8
400.010000	5600.627000	-44.3	-81.2	-24.3
415.010000	5810.208000	-38.6	-75.5	-18.6
400.010000	5999.970000	-39.1	-76	-19.1
429.990000	6019.602000	-39.2	-76.1	-19.2
415.010000	6224.772000	-39.4	-76.3	-19.4
429.990000	6449.747000	-39.4	-76.3	-19.4



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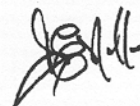
NAME OF TEST: Unwanted Emissions (Transmitter Conducted)

LIMIT(S), dBc: -(50+10xLOG P) = -57 (5 Watts)

-(50+10xLOG P) = -66 (40 Watts)

STATE: 2:High Power g0110011: 2001-Jan-02 Tue 11:32:00

FREQUENCY TUNED, MHz	FREQUENCY EMISSION, MHz	LEVEL, dBm	LEVEL, dBc	MARGIN, dB
400.010000	800.148000	-33.5	-79.5	-13.5
415.010000	830.018000	-33.8	-79.8	-13.8
429.990000	860.291000	-32.9	-78.9	-12.9
400.010000	1199.572000	-32.8	-78.8	-12.8
415.010000	1245.505000	-33.7	-79.7	-13.7
429.990000	1289.969000	-32.1	-78.1	-12.1
400.010000	1600.145000	-31.9	-77.9	-11.9
415.010000	1659.598000	-31.9	-77.9	-11.9
429.990000	1719.696000	-32.1	-78.1	-12.1
400.010000	1999.699000	-30.9	-76.9	-10.9
415.010000	2074.571000	-31.7	-77.7	-11.7
429.990000	2150.359000	-32.4	-78.4	-12.4
400.010000	2399.582000	-31.1	-77.1	-11.1
415.010000	2489.790000	-32	-78	-12
429.990000	2580.438000	-32.9	-78.9	-12.9
400.010000	2800.388000	-32.9	-78.9	-12.9
415.010000	2905.535000	-32.6	-78.6	-12.6
429.990000	3009.544000	-34.5	-80.5	-14.5
400.010000	3199.831000	-34.6	-80.6	-14.6
415.010000	3319.819000	-34.4	-80.4	-14.4
429.990000	3439.901000	-34	-80	-14
400.010000	3600.175000	-34.4	-80.4	-14.4
415.010000	3735.459000	-33.8	-79.8	-13.8
429.990000	3870.179000	-33.9	-79.9	-13.9
400.010000	4000.262000	-33.6	-79.6	-13.6
415.010000	4150.324000	-33.8	-79.8	-13.8
429.990000	4300.181000	-33.8	-79.8	-13.8
400.010000	4399.678000	-34.1	-80.1	-14.1
415.010000	4565.494000	-33.7	-79.7	-13.7
429.990000	4729.604000	-33.4	-79.4	-13.4
400.010000	4800.103000	-34.6	-80.6	-14.6
415.010000	4980.389000	-34.6	-80.6	-14.6
429.990000	5160.056000	-34.3	-80.3	-14.3
400.010000	5200.038000	-34.2	-80.2	-14.2
415.010000	5395.442000	-34.5	-80.5	-14.5
429.990000	5590.204000	-34.5	-80.5	-14.5
400.010000	5600.431000	-33.9	-79.9	-13.9
415.010000	5810.162000	-28.4	-74.4	-8.4
400.010000	6000.290000	-27.8	-73.8	-7.8
429.990000	6019.846000	-28.7	-74.7	-8.7
415.010000	6225.269000	-28	-74	-8
429.990000	6449.564000	-28.6	-74.6	-8.6



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NAME OF TEST: Field Strength of Spurious Radiation

SPECIFICATION: 47 CFR 2.1053(a)

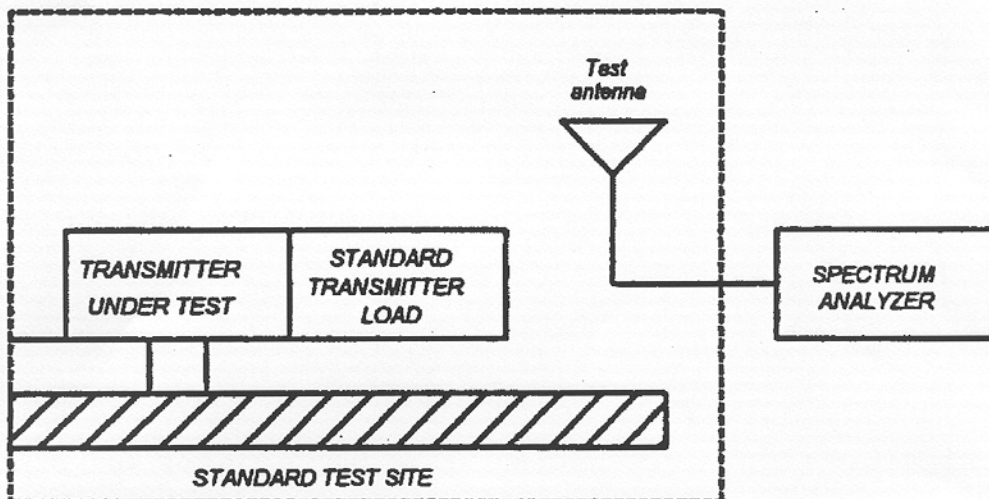
GUIDE: ANSI/TIA/EIA-603-1992, Paragraph 1.2.12

MEASUREMENT PROCEDURE

1.2.12.1 Definition: Radiated spurious emissions are emissions from the equipment when transmitting into a non-radiating load on a frequency or frequencies which are outside an occupied band sufficient to ensure transmission of information of required quality for the class of communications desired.

1.2.12.2 Method of Measurement

- A) Connect the equipment as illustrated
- B) Adjust the spectrum analyzer for the following settings:
- 1) Resolution Bandwidth ≤ 3 kHz.
 - 2) Video Bandwidth ≥ 10 kHz
 - 3) Sweep Speed ≤ 2000 Hz/second
 - 4) Detector Mode = Positive Peak
- C) Place the transmitter to be tested on the turntable in the standard test site. The transmitter is transmitting into a non-radiating load which is placed on the turntable. The RF cable to this load should be of minimum length.



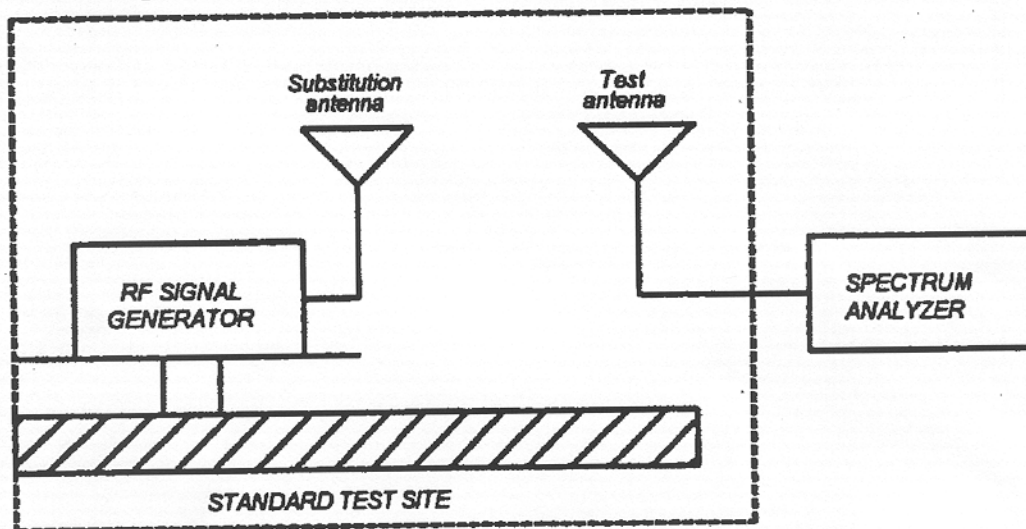
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NAME OF TEST:

Field Strength of Spurious Radiation (Cont.)

- D) For each spurious measurement the test antenna should be adjusted to the correct length for the frequency involved. This length may be determined from a calibration ruler supplied with the equipment. Measurements shall be made from the lowest radio frequency generated in the equipment to the tenth harmonic of the carrier, except for the region close to the carrier equal to \pm the test bandwidth (see section 1.3.4.4).
- E) For each spurious frequency, raise and lower the test antenna from 1 m to 4 m to obtain a maximum reading on the spectrum analyzer with the test antenna at horizontal polarity. Repeat this procedure to obtain the highest possible reading. Record this maximum reading.
- F) Repeat step E) for each spurious frequency with the test antenna polarized vertically.



- G) Reconnect the equipment as illustrated.
- H) Keep the spectrum analyzer adjusted as in step B).
- I) Remove the transmitter and replace it with a substitution antenna (the antenna should be half-wavelength for each frequency involved). The center of the substitution antenna should be approximately at the same location as the center of the transmitter. At lower frequencies, where the substitution antenna is very long, this will be impossible to achieve when the antenna is polarized vertically. In such case the lower end of the antenna should be 0.3 m above the ground.