

6 FCC RULES AND REGULATIONS PART 2 §2.1053 (A): FIELD STRENGTH OF SPURIOUS RADIATION

6.1 TEST PROCEDURE

ANSI/TIA/EIA-603-1992, section 2.2.12

The transmitter is set in continuous transmitting mode and modulated with pseudo random data using the internal software.

Refer to section "Radiated Measurement" in this report for further information.

6.2 TEST DATA

The worst-case emissions test data are shown. The magnitude of emissions attenuated more than 20 dB below the FCC limit need not be recorded.

Radiated Emissions (Channel 25 at 1851.25 MHz) Substitution Method (limit = 42.1 dBc)				
Frequency (MHz)	S/G level (dBm)	Correction Factor (dB)*	EIRP (dBc)	Margin
3702.50	-51.9	4.6	76.4	34.3
5553.75	-34.6	5.8	57.9	15.8
7405.00	NF			
9256.25	NF			
11107.50	NF			
12958.75	NF			
14810.00	NF			
15551.25	NF			
18512.50	NF			

*This insertion loss corresponds to the cable connecting the RF Signal Generator and the respective correction to a ½ wave dipole antenna. NF= Noise floor of spectrum analyzer

6.3 TEST EQUIPMENT

Antenna: CHASE CBL6112 s/n 2099

Amplifier: HP8449Bs/n 3008A00505

Spectrum analyzer: HP8564Es/n 3943A01719

RF Signal Generator HP8648Cs/n 3537A01741
Synthesized Sweeper HP83752A s/n 3610A00846