

5.11 Receiver Spurious Emissions

NAME OF TEST: Receiver Spurious Emissions

RULE PART NUMBER: RSS-119, Section 5.11

MINIMUM STANDARD: Table 1 – Spurious Emission Limits for Receivers

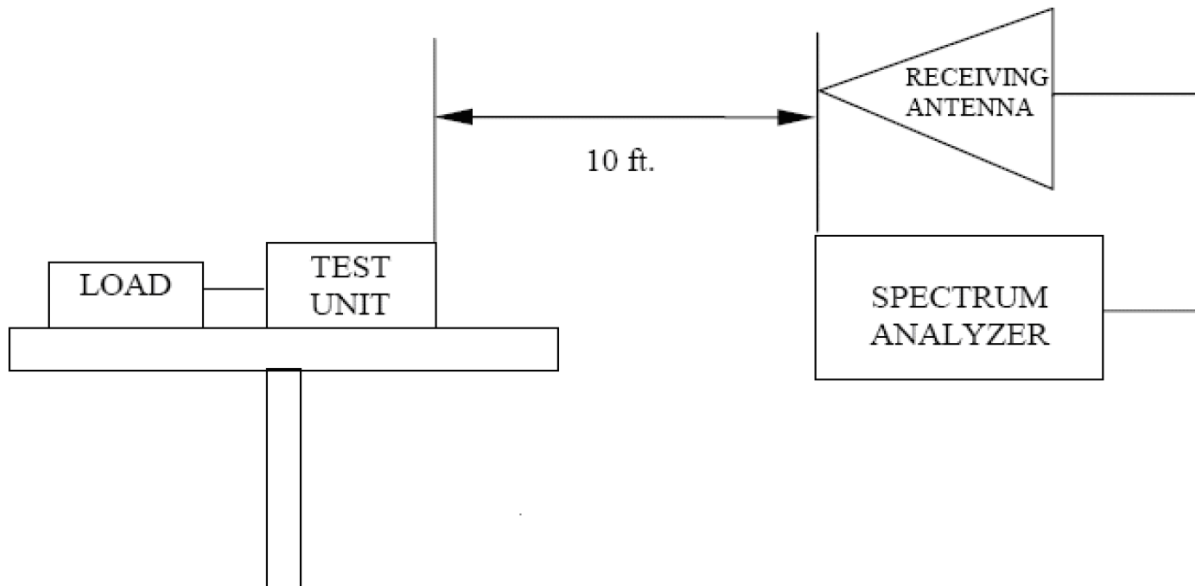
Spurious Frequency (MHz)	Field Strength (microvolt/m at 3 meters)
30-88	100
88-216	150
216-960	200
Above 960	500

TEST RESULTS: See data on following pages

METHOD OF MEASUREMENT: The method of measurement follows the guidelines listed in ANSI C63.4-2003

TEST EQUIPMENT: FCC certified Open Area Test Site at CalAmp Wireless Networks in Waseca, Minnesota
Waveguide Horn Antenna, EMCO Model 3115
Bilog Antenna, Chase Model CBL6111B
Power Supply, Model HP 6284A
Spectrum Analyzer, Model HP-8563E
Reference Generator, Agilent Model E82570
50-Ohm Load, S.M. Electronics ST6S20

TEST SET-UP:



Horizontal

Frequency MHz	Filed Intensity uV/m @ 3 meters	Limit uV/m @ 3 meters	Margin uV/m
147.457	27.638	150.00	122.4
157.287	29.275	150.00	120.7
176.945	24.632	150.00	125.4
186.777	25.119	150.00	124.9
196.613	14.405	150.00	135.6
216.272	26.092	200.00	173.9
235.930	60.744	200.00	139.3
255.592	32.847	200.00	167.2
285.082	33.497	200.00	166.5
294.908	48.250	200.00	151.7
334.110	108.019	200.00	92.0
353.810	103.872	200.00	96.1
393.150	85.803	200.00	114.2
412.610	101.976	200.00	98.0

Vertical

Frequency MHz	Filed Intensity uV/m @ 3 meters	Limit uV/m @ 3 meters	Margin uV/m
147.457	49.147	150.00	100.9
157.287	44.668	150.00	105.3
176.945	31.010	150.00	119.0
216.272	26.092	200.00	173.9
235.930	28.184	200.00	171.8
255.592	27.133	200.00	172.9
353.810	164.627	200.00	35.4
363.610	55.144	200.00	144.9
393.150	50.119	200.00	149.9
412.610	105.925	200.00	94.1