

Test Results

Spurious Radiated Emissions

Section 15.109

RESULT:

Pass

Test Specification : FCC Part 15 Section 15.109
 Test Method : ANSI 63.4-2003
 Measurement Location : Semi Anechoic Chamber
 Measurement Distance : 3m
 Detector Function : Quasi Peak
 Measurement BW : 120 kHz
 Supply Voltage : 7.5VDC from batteries
 Measuring Frequency Range : 30-1000MHz
 Mode of operation : Standby

Polarization: Vertical

Frequency (MHz)	Field strength at 3m (dBμV/m)	Limit at 3m (dBμV/m)	Delta to Limit (dB)
51.500	29.3	40.0	-10.7
55.100	23.8	40.0	-16.2
108.700	14.0	43.5	-29.5
147.900	16.4	43.5	-27.1
384.000	17.8	46.0	-28.2
781.800	23.4	46.0	-22.6

Polarization: Horizontal

Frequency (MHz)	Field strength at 3m (dBμV/m)	Limit at 3m (dBμV/m)	Delta to Limit (dB)
40.900	12.7	40.0	-27.3
51.400	15.2	40.0	-24.8
150.200	16.4	43.5	-27.1
296.400	20.3	46.0	-25.7
344.500	20.6	46.0	-25.4
759.600	22.7	46.0	-23.3

Remark: There is no spurious emission found between lowest oscillating frequency to 30 MHz.

Limit

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The field strength of radiated emissions from unintentional radiators at a distance of 3 meters:

Frequency (MHz)	Field strength (μV/m)	Field strength (dBμV/m)	Measurement distance (m)
30-88	100	$20 \cdot \log(100) = 40.0$	3
88-216	150	$20 \cdot \log(150) = 43.5$	3
216-960	200	$20 \cdot \log(200) = 46.0$	3
Above 960	500	$20 \cdot \log(500) = 54.0$	3