1 RECEIVER AC LINE CONDUCTED EMISSIONS

1.1 Test description

Parameter:	ANSI C63.4
Requirement:	FCC § 15.107(a)

1.2 Test Procedure

The EUT was connected to the DC battery pack, which was connected to the battery charger with AC line through the LISNs.

Both HOT and NEUTRAL leads were tested.

1.3 Test Results

Frequency MHz	Reading Hot dB	Reading Neutral dB	Attenuator Factor dB	System Loss dB	Qausi-Peak		Margin dB	
					Net	Limit		
					dB(uV)	dB(uV)		
0.450	35.8	37.4	0.0	0.7	38.1	48.0	-9.9	*
0.460	35.3	37.1	0.0	0.7	37.8	48.0	-10.2	*
0.470	34.9	36.8	0.0	0.7	37.5	48.0	-10.5	*
0.475	34.7	36.6	0.0	0.7	37.3	48.0	-10.7	*
0.500	33.6	35.5	0.0	0.6	36.1	48.0	-11.9	*
0.750	24.0	27.6	0.0	0.6	28.2	48.0	-19.8	*
*13 dB reduction applied per FCC 15.107(d).								

1.4 Modifications made during testing

None

1.5 Test instrumentation

[X] HP 8593 Spectrum Analyzer
[X] Solar LISN

2 RECEIVER RADIATED EMISSION

2.1 Test description

Parameter:	ANSI C63.4
Requirement:	FCC §15.109(a)

2.2 Test Procedure

The transmitter was placed on a wooden turntable.

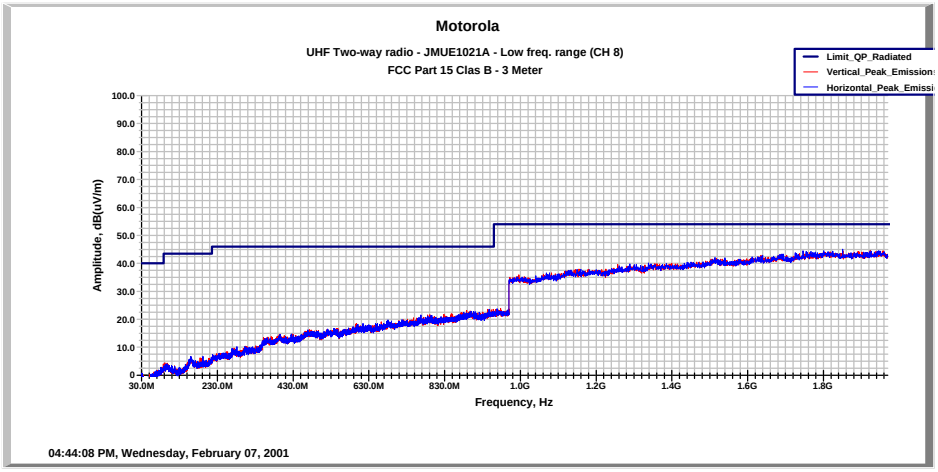
The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3 orthogonal axis.

2.3 Test Results

No radiated emission was detected, or the radiated emission was at least 20 dB below the applicable limit. Please see the following plots.

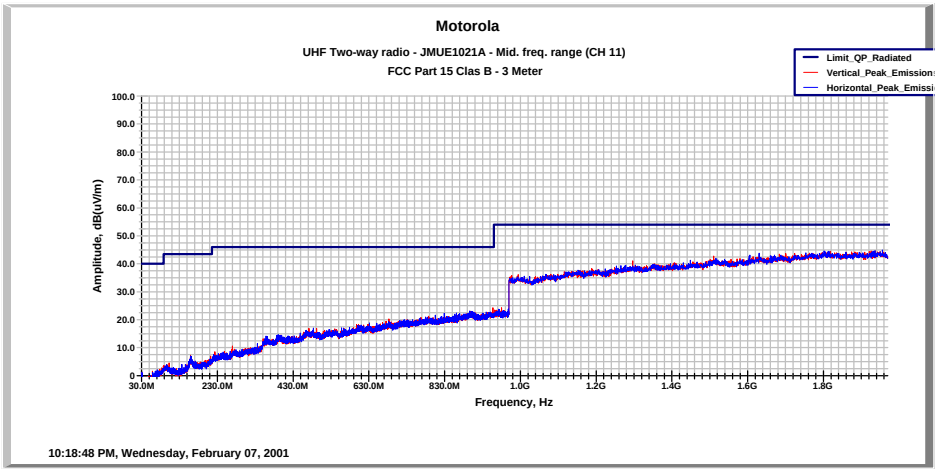
Test Condition: Receiving mode
Frequency range investigated: 30 to 1000 MHz.

Low Channel:

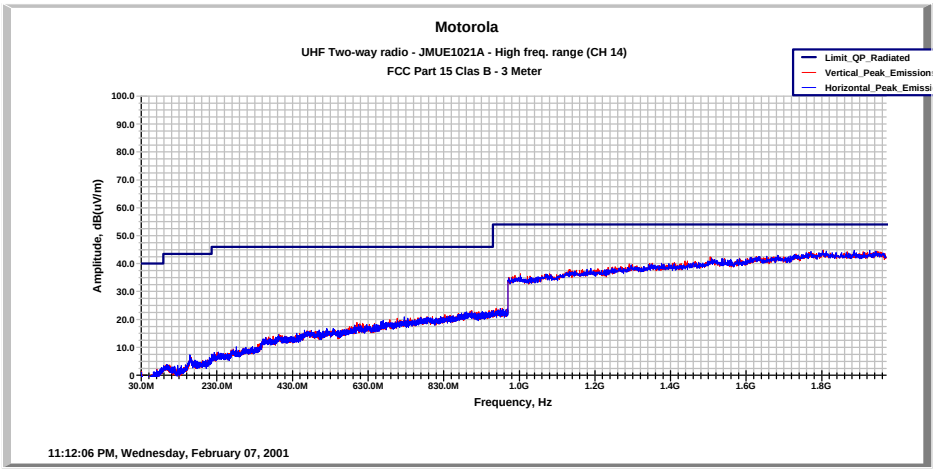


11.3 Test Results (*Continued*)

Middle Channel:



High Channel:



2.4 Modifications made during testing

None

2.5 Test instrumentation

[X] EMCO 3141 Bi-logcon Antenna
[X] HP 8546A EMI Receiver