

6b.3 MOTotalk 900 MHz ISM Band Radiated Spurious Emissions - Pursuant 47 CFR 2.1051; §2.1053

FCC Limits:

§15.247. In any 100 kHz bandwidth outside the frequency bands, the radio frequency power that is produced by the modulation products of the spreading sequence, the information sequence and the carrier frequency shall be either at least 20 dB below that in any 100 kHz bandwidth within the band that contains the highest level of the desired power or shall not exceed the general levels specified in Sec. 15.209, whichever results in the lesser attenuation. All other emissions outside these bands shall not exceed the general radiated emission limits specified in Sec. 15.209.

§15.35. States the peak of the harmonics shall not exceed 20 dB above the limits specified in §15.209.

Restricted bands specified in §15.205 in the table below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.89475-16.89525	608-814	5.35-5.48
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1628.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1648.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.368	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2655-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41			

¹ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

² Above 38.6

NOTE 1: Spurious emissions are dependent on the linearity of the Power Amplifier (U2051) and are independent of modulation type or TDM interleaving.

NOTE 2: Spurious emission levels were measured with the non-detachable antenna mounted on the radio product, as in intended use.

NOTE 3: An asterisk () in the data indicates the spurious emission could not be detected due to noise limitations or ambient conditions.*

*NOTE 4: Two asterisks (**) after the frequency indicates the harmonic falls in the restricted bands specified in §15.205. Emissions limit is 500 µV/m (54 dBµV/m) at 3 meter distance. Emissions not in the restricted band must be better than 20 dBc.*

NOTE 5: The duty cycle correction factor (see Exhibit 7a) was not applied to these data.

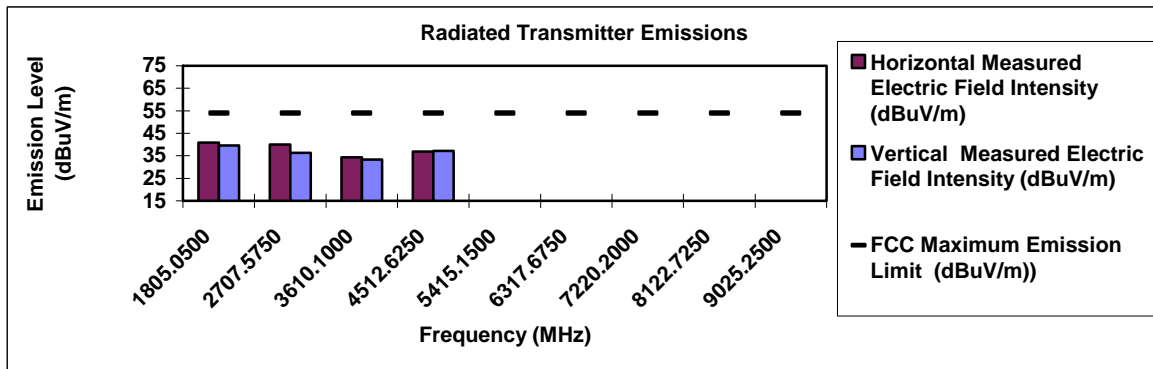
NOTE 6: Emissions resulting from intermodulation products possible due to the simultaneous operation of the MOTotalk and Bluetooth transmitters were investigated and those of significance are shown in the graphs below. All were compliant with Part 15 emissions requirements, including those of the restricted bands.

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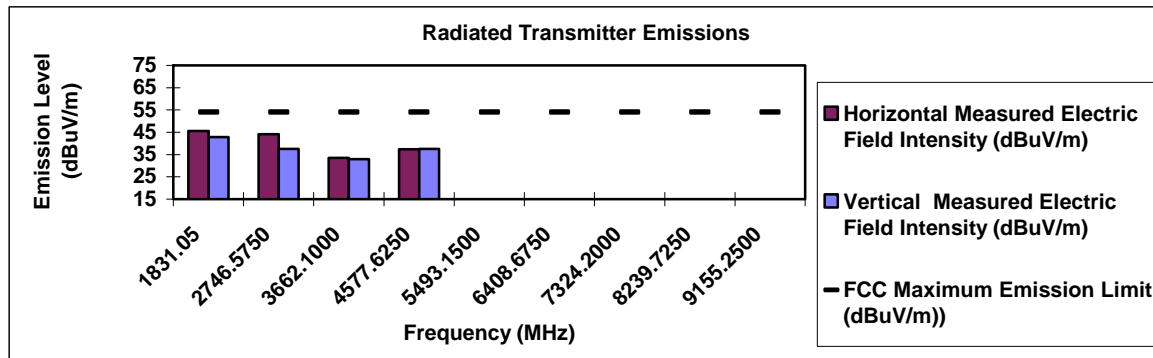
FCC ID: IHDP56HS1

Transmitter Radiated Spurious Emissions : i776

902.525 MHz		Ch.Sp.: 25kHz		ISM Watts S/N 364VJJBZSJ	
Frequency (MHz)	FCC Maximum Emission Limit (dBuV/m)	Horizontal Measured Electric Field Intensity (dBuV/m)	Vertical Measured Electric Field Intensity (dBuV/m)		
1805.0500	54	40.93	39.66		
2707.5750	54	39.99	36.31		
3610.1000	54	34.31	33.35		
4512.6250	54	36.86	37.14		
5415.1500	54	*	*		
6317.6750	54	*	*		
7220.2000	54	*	*		
8122.7250	54	*	*		
9025.2500	54	*	*		



915.525 MHz		ISM Watts S/N 364VJJBZSJ	
Frequency (MHz)	FCC Maximum Emission Limit (dBuV/m)	Horizontal Measured Electric Field Intensity (dBuV/m)	Vertical Measured Electric Field Intensity (dBuV/m)
1831.05	54	45.60	42.85
2746.5750	54	44.07	37.52
3662.1000	54	33.52	32.96
4577.6250	54	37.39	37.51
5493.1500	54	*	*
6408.6750	54	*	*
7324.2000	54	*	*
8239.7250	54	*	*
9155.2500	54	*	*



* Indicates the spurious emission could not be detected due to noise limitations or ambients.

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 FCC Registration: 91932 / Industry Canada: IC109U-1

June 20, 2008

Table 6b.3.1. Spurious emissions at 902.525 and 915.525 MHz

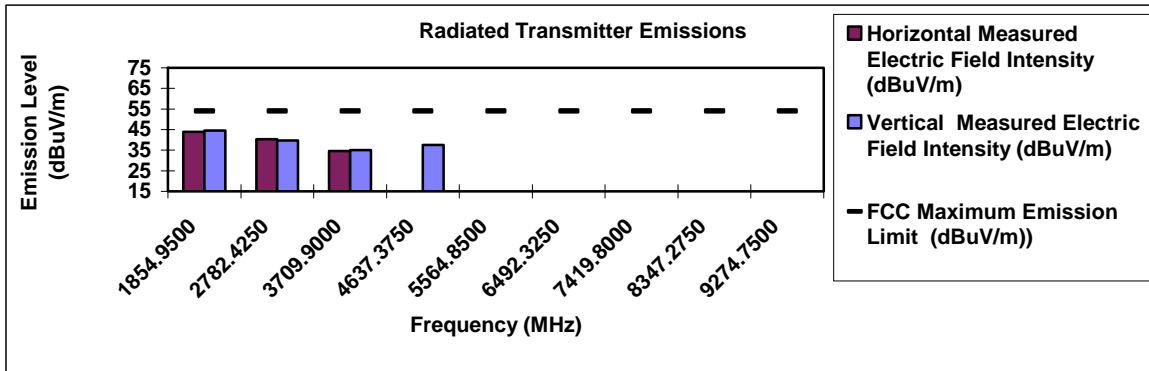
Motorola Inc.

FCC ID:IHDP56HS1

Transmitter Radiated Spurious Emissions : i776

927.475 MHz Ch.Sp.: 25kHz ISM Watts | S/N 364VJJBZSJ

Frequency (MHz)	FCC Maximum Emission Limit (dBuV/m)	Horizontal Measured Electric Field Intensity (dBuV/m)	Vertical Measured Electric Field Intensity (dBuV/m)
1854.9500	54	43.84	44.55
2782.4250	54	40.41	39.75
3709.9000	54	34.60	35.03
4637.3750	54	*	37.59
5564.8500	54	*	*
6492.3250	54	*	*
7419.8000	54	*	*
8347.2750	54	*	*
9274.7500	54	*	*



* Indicates the spurious emission could not be detected due to noise limitations or ambients.

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Table 6b.3.2. Spurious emissions at 927.425 MHz