

MDR-8X05u-XX Radiated Emissions (Part 15.205) with a 2FT Flat Panel Antenna

Frequency Band (MHz)	Spur Frequency (MHz)	Antenna Polariz.	Corrected Reading dBuV (2Ft Flat Panel Antenna Connected)	Limit dBuV/m	Margin dB
37.5 - 38.25					
73 -74.6					
74.8 - 75.2					
108 - 121.94	111.3323	V	30.5	43.5	-13
108 - 121.94	111.3323	H	27.4	43.5	-16.1
108 - 121.94	112.9589	V	33.1	43.5	-10.4
108 - 121.94	112.9589	H	26.9	43.5	-16.6
123 - 138	123.03	V	28.3	43.5	-15.2
123 - 138	123.03	H	31	43.5	-12.5
123 - 138	134.936	V	32.1	43.5	-11.4
123 - 138	134.936	H	32	43.5	-11.5
149.9 - 150.05					
156.52475 - 156.52525					
156.7 - 156.9					
162.0125 - 167.17	163.3503	H	27.8	43.5	-15.7
167.72 - 173.2	169.8915	V	28	43.5	-15.5
240 - 285	245.2537	V	38.6	46	-7.4
240 - 285	245.2537	H	39.3	46	-6.7
240 - 285	251.49	H			
240 - 285	251.49	V			
240 - 285	280.4342	V	37.8	46	-8.2
240 - 285	280.4342	H	39.6	46	-6.4
240 - 285	240.6333	H	37.1	46	-8.9
322 - 335.4					
399.9 - 410					
608 - 614					
960 - 1240	989.8248	V	44.1	54	-9.9
960 - 1240	989.8248	H	43.6	54	-10.4
960 - 1240	1015	V	43.7	54	-10.3
960 - 1240	1225.907	V	43.6	54	-10.4
960 - 1240	1191.387	V	42.3	54	-11.7
960 - 1240	1156.064	V	42.2	54	-11.8
1300 - 1427	1330.913	V	42.4	54	-11.6
1435 - 1626					
1645.5 - 1646.5					
1660 - 1710					
1718.8 - 1722.2					
2200 - 2300					
2310 - 2390					
2483.5 - 2500					
2655 - 2900					
2655 - 2900					
3260 - 3267					
3332 - 3339					
3345.8 - 3358					
3600 - 4400	3847.683	V	52.48	54	-1.52

3600 - 4400	3847.683	H	51.3	54	-2.7
4500 - 5250					
5350 - 5460					
7250 - 7750					
8025 - 8500					
9000 - 9200					
9300 - 9500					

Note:

All measurements were made at 3 meters

The corrected reading takes into account the antenna factor, cable losses and the gain of the amplifier used for the measurements.

The column "Spur Frequency" lists the emissions found in some of the restricted bands.

The Margin column shows how much the spur level is below the FCC15.209 limit with 2FT panel antenna connected to the radio.

For frequencies higher than 10Ghz no readings were above the noise floor of the test equipment.

All measurements were made with a peak detector except those above 1000Mhz where a average detector was used.