

MDR-8X05u-XX (Unlicensed Radio) Radiated Emissions in Restricted Bands (FCC Part 15.205)									
Frequency Band (MHz)	Spur Frequency (MHz)	Ant Pol	Corrected Reading dBuV/m (60db Load Connected)	Corrected Reading dBuV/m (2Ft Parab. Antenna Connected)	Difference between radio with antenna and radio with load (db)	Limit dBuV (FCC 15.209)	Margin dB		

37.5 - 38.25							
73 -74.6							
74.8 - 75.2							
108 - 121.94							
123 - 138	125.14	H	40.9	36.2	-4.7	43.5	-7.3
123 - 138	135.59	H	38.3	38	-0.3	43.5	-5.5
149.9 - 150.05							
156.52475 - 156.52525							
156.7 - 156.9							
162.0125 - 167.17							
167.72 - 173.2	171.68	H	37.4	37.5	0.1	43.5	-6
167.72 - 173.2	171.68	V	29.9	30	0.1	43.5	-13.5
240 - 285	240.1	H	42	39.5	-2.5	46	-6.5
240 - 285	240.1	V	42.1	39.5	-2.6	46	-6.5
240 - 285	245.28	H	44	43.7	-0.3	46	-2.3
240 - 285	250.12	H	43.5	43	-0.5	46	-3
240 - 285	250.12	V	43	42.57	-0.43	46	-3.43
240 - 285	280.31	H	44	43.5	-0.5	46	-2.5
240 - 285	280.13	V	42	Spur cancelled		46	
322 - 335.4							
399.9 - 410							
608 - 614							
960 - 1240	980.91	H	46.5	43.5	-3	54	-10.5
960 - 1240	980.91	V	46.5	Spur cancelled		54	
960 - 1240	1015.73	H	43.2	45.3	2.1	54	-8.7
960 - 1240	1015.73	V	43	Spur cancelled		54	
960 - 1240	1051	V	42.4	42.4	0	54	-11.6
960 - 1240	1191	V	45	45.81	0.81	54	-8.19
1300 - 1427							
1435 - 1626							
1645.5 - 1646.5							
1660 - 1710							
1718.8 - 1722.2							
2200 - 2300							

2310 - 2390							
2483.5 - 2500							
2655 - 2900	2692.98	H	45	46.63	1.63	54	-7.37
2655 - 2900	2692.98	V	41	43	2	54	-11
3260 - 3267							
3332 - 3339							
3345.8 - 3358							
3600 - 4400	3850.86	H	50.1	50.3	0.2	54	-3.7
3600 - 4400	3850.86	V	50.1	50.3	0.2	54	-3.7
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 parabolic antenna connected to the radio.

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