

**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.