

Intelligent Systems Module for the three DS Development Support Tool

RF Exposure

Maximum Permissible Exposure (MPE) FCC Rules CFR47 1.1307, 1.1310, 2.1091, 2.1093 and Industry Canada RSS 102

Distance	MPE	Remark
0.2401cm	1mW/cm ²	Worst Case
20cm	0.000144mw/ cm ²	

- FCC ID : SRX-ISNWIRE
- Model : NTR EMU WIRELESS ADP
- Operation Frequency : 2412 – 2462 MHz
- Antenna Gain : 0.74 (-1.3 dBi, Typical)
- Modulation : Direct Sequence Spread Spectrum Transmitter
- Output Power (Maximum) : 0.98mW (-0.1dBm)

• MPE Calculation

Frequency	Output Power	Antenna Gain	MPE @20cm	Limit	Distance
[MHz]	[mW]	[dBi]	[mW/ cm ²]	[mW/ cm ²]	[cm]
2412	0.95	-1.3	0.000141	1.0	0.2373
2437	0.98	-1.3	0.000144	1.0	0.2401
2462	0.98	-1.3	0.000144	1.0	0.2401

Above test results of MPE at 20cm is calculated from a formula

$$\text{MPE [mW/ cm}^2\text{]} = (\text{Output Power} \times \text{Antenna Gain}) / (4 \times \pi \times r^2)$$

(pi : 3.1416, r : distance between observation point and center of the radiator in cm)

[Tester]

Signature

Ikuya Minematsu