

RF Exposure Evaluation

Requirements:

According to §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

This is a portable device.

Measurement Records:

802.11b mode				
Antenna Gain (dBi)	Antenna Gain (numeric)	Conducted Power (dBm)	Conducted Power (mW)	E.I.R.P (mW)
2.0	1.585	7.030	5.047	7.998
2.0	1.585	6.510	4.477	7.096
2.0	1.585	5.450	3.508	5.559

802.11g mode				
Antenna Gain (dBi)	Antenna Gain (numeric)	Conducted Power (dBm)	Conducted Power (mW)	E.I.R.P (mW)
2.0	1.585	6.780	4.764	7.551
2.0	1.585	6.770	4.753	7.534
2.0	1.585	5.980	3.963	6.281

802.11n(H20) mode				
Antenna Gain (dBi)	Antenna Gain (numeric)	Conducted Power (dBm)	Conducted Power (mW)	E.I.R.P (mW)
2.0	1.585	6.920	4.920	7.798
2.0	1.585	6.440	4.406	6.982
2.0	1.585	5.860	3.855	6.109

802.11n(H40) mode				
Antenna Gain (dBi)	Antenna Gain (numeric)	Conducted Power (dBm)	Conducted Power (mW)	E.I.R.P (mW)
2.0	1.585	6.480	4.446	7.047
2.0	1.585	6.180	4.150	6.577
2.0	1.585	6.010	3.990	6.324

The EUT works on the 2.4G ISM band, according to KDB 447498 D01 General RF Exposure Guidance v05, the SAR Test Exclusion Power Thresholds is 10mW. The max power of this device is 5.05 mW < 10mW, so The SAR evaluation is not required.