FCC ID : 2AMM3-S007G

1. RF EXPOSURE

1.1.The Requirement

System operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess of the Commission's guidelines. See Section 15.247 and Section 15.407

1.2.Limit For Maximum Permissible Exposure (MPE)

Limits for General Population/ Uncontrolled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm^2)	Averaging Time $\|E\|^2, \|H\|^2$ or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f)*	30
30-300	27.5	0.073	0.2	30
300-1500			f/1500	30
1500-100,000			1.0	30

F = frequency in MHz, * Plane-wave equivalent power density

1.3.MPE Calculation Method

Predication of MPE limit at a given distance
Equation from page 18 of OET Bulletin 65, Edition 97-01

$S=PG/4\pi R^2$

Where: S=power density
P=power input to antenna
G=power gain of the antenna in the direction of interest relative to an isotropic radiator
R=distance to the center of radiation of the antenna

From the peak EUT RF output power, the minimum mobile separation distance, d=0.2m , the RF power density can be obtained.

1.4.TEST RESULTS

Maximum measured transmitter power
For power measurements on IEEE 802.11 devices

For 2.4G WIFI

Antenna Gain = 5 dB

Operation Mode	Channel Number	Channel Frequency (MHz)	Output Power (dBm)	Target power (dBm)	Antenna Gain (Numeric)	Power Density At 20cm (mW/cm^2)	Power Density Limit (mW/cm^2)	Test Results
802.11b	1	2412	14.83	15±1	3.162	0.025	1.000	Pass
	6	2437	14.79	15±1	3.162	0.025	1.000	Pass
	11	2462	14.38	15±1	3.162	0.025	1.000	Pass
802.11g	1	2412	12.20	12±1	3.162	0.013	1.000	Pass
	6	2437	12.10	12±1	3.162	0.013	1.000	Pass
	11	2462	11.84	12±1	3.162	0.013	1.000	Pass
802.11n 20M	1	2412	12.55	12±1	3.162	0.013	1.000	Pass
	6	2437	12.27	12±1	3.162	0.013	1.000	Pass
	11	2462	12.03	12±1	3.162	0.013	1.000	Pass
802.11n 40M	3	2422	11.03	11±1	3.162	0.010	1.000	Pass
	6	2437	10.90	11±1	3.162	0.010	1.000	Pass
	9	2452	10.80	11±1	3.162	0.010	1.000	Pass

The measurement results comply with the FCC Limit per 47 CFR 2.1091 for the uncontrolled RF Exposure.

1.5.FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, Human proximity to the antenna shall not be less than 20cm(8 inches) during normal operation. Proposed RF exposure safety information to include in User's Manual.