

10.MPE ESTIMATION

10.1.Limit for General Population/ Uncontrolled Exposures

Frequency	Power density (mW/ cm ²)	Averaging time(minutes)
300MHz----1.5GHz	F/1500	30
1.5GHz---100GHz	1.0	30

Frequency(MHz)	Power density (mW/ cm ²)	Averaging time(minutes)
2412	1	30
2437	1	30
2462	1	30

Note: F= Frequency in MHz

10.2. Estimation Result

EUT: N600 Wireless Dual Band Gigabit Access Point		
M/N: EAP220		
Test date: 2015-03-15	Pressure: 101.4±1.0 kpa	Humidity: 50.1±3.0%
Tested by: Black_Yan	Test site: RF site	Temperature:23.9±0.6 °C

Test Mode	CH	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11b	CH1	21.63	145.55	4.0	2.51	0.0728
	CH6	21.50	141.25	4.0	2.51	0.0706
	CH11	21.48	140.60	4.0	2.51	0.0703
11g	CH1	21.74	149.28	4.0	2.51	0.0746
	CH6	21.52	141.91	4.0	2.51	0.0709
	CH11	20.60	114.82	4.0	2.51	0.0574
11n HT20	CH1	20.78	119.67	4.0	2.51	0.0598
	CH6	20.62	115.35	4.0	2.51	0.0577
	CH11	19.65	92.26	4.0	2.51	0.0461
11n HT40	CH3	20.41	109.90	4.0	2.51	0.0549
	CH6	20.03	100.69	4.0	2.51	0.0503
	CH9	19.43	87.70	4.0	2.51	0.0438

$$MPE = \frac{PG}{4\pi R^2} \quad (R=20cm)$$