

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

2.4GHz

EUT:Wireless Speaker System		
M/N:SC-ALL3		
Test date: 2014-04-04	Pressure: 101.2±1.0 kpa	Humidity: 48.4±3.0%
Tested by: Kevin_Hu	Test site: RF site	Temperature:20.7±0.6 °C

Cable loss: 1 dB		Attenuator loss: 20 dB				Antenna Gain: 2.5dBi	
Test Mode	CH	Frequency (MHz)	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11a	CH1	2412	22.65	184.08	2.5	1.78	0.0652
	CH6	2437	22.62	182.81	2.5	1.78	0.0647
	CH11	2462	22.35	171.79	2.5	1.78	0.0608
11n HT20	CH1	2412	21.94	156.31	2.5	1.78	0.0553
	CH6	2437	27.19	523.60	2.5	1.78	0.1853
	CH11	2462	22.45	175.79	2.5	1.78	0.0622
11n HT40	CH1	2422	21.55	142.89	2.5	1.78	0.0506
	CH4	2437	26.64	461.32	2.5	1.78	0.1633
	CH7	2452	21.97	157.40	2.5	1.78	0.0557

5.8GHz

EUT:Wireless Speaker System		
M/N:SC-ALL3		
Test date: 2014-04-04	Pressure: 101.3±1.0 kpa	Humidity: 48.4±3.0%
Tested by: Kevin_Hu	Test site: RF site	Temperature:22.7±0.6 °C

Cable loss: 1 dB		Attenuator loss: 20 dB				Antenna Gain: 4.3dBi	
Test Mode	CH	Frequency (MHz)	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11a	CH149	5745	24.41	276.06	4.3	2.69	0.1479
	CH157	5785	24.06	254.68	4.3	2.69	0.1364
	CH165	5825	23.12	205.12	4.3	2.69	0.1099
11n HT20	CH149	5745	24.04	253.51	4.3	2.69	0.1358
	CH157	5785	23.98	250.03	4.3	2.69	0.1340
	CH165	5825	22.75	188.36	4.3	2.69	0.1009
11n HT40	CH151	5755	23.20	208.93	4.3	2.69	0.1119
	CH159	5795	22.82	191.43	4.3	2.69	0.1026