10. MPE ESTIMATION

10.1. Limit for General Population/ Uncontrolled Exposures

Frequency	Power density (mW/cm2)	Averaging time(minutes)
300MHz----1.5GHz	F/1500	30
1.5GHz---100GHz	1.0	30

Frequency	Power density (mW/cm2)	Averaging time(minutes)
2412	1	30
2437	1	30
2462	1	30

Note: F= Frequency in MHz

10.2. Estimation Result

EUT: Wireless Video Doorbell		
M/N:WF100		
Test date: 2017-04-05	Pressure: 102.3±1.0 kpa	Humidity: 51.5±3.0%
Tested by: Allan-He	Test site: RF site	Temperature:22.1±0.6 ℃

Test Mode	Frequency（MHz）	Peak Output Power (dBm)	Peak Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11b	2412	15.50	35.48	2	1.58	0.0112
	2437	15.25	33.50	2	1.58	0.0106
	2462	15.35	34.28	2	1.58	0.0108
11g	2412	15.06	32.06	2	1.58	0.0101
	2437	16.40	43.65	2	1.58	0.0138
	2462	16.03	40.09	2	1.58	0.0126
11n HT20	2412	15.57	36.06	2	1.58	0.0114
	2437	15.86	38.55	2	1.58	0.0122
	2462	15.67	36.90	2	1.58	0.0116
11n HT40	2422	16.24	42.07	2	1.58	0.0133
	2437	16.21	41.78	2	1.58	0.0132
	2452	16.06	40.36	2	1.58	0.0127

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