

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: BOX		
M/N: BC0803		
Test date: 2016-05-09	Pressure: 102.1±1.0 kpa	Humidity: 51.9±3.0%
Tested by: Jerry-Pan	Test site: RF site	Temperature: 23.2±0.6 °C

Test Mode	CH	Frequency (MHz)	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11b	CH1	2412	12.25	16.79	3.40	2.19	0.0073
	CH6	2437	12.31	17.02	3.40	2.19	0.0074
	CH11	2462	12.42	17.46	3.40	2.19	0.0076
11g	CH1	2412	11.95	15.67	3.40	2.19	0.0068
	CH6	2437	13.18	20.80	3.40	2.19	0.0091
	CH11	2462	11.72	14.86	3.40	2.19	0.0065
11n HT20	CH1	2412	10.60	11.48	3.40	2.19	0.0050
	CH6	2437	13.01	20.00	3.40	2.19	0.0087
	CH11	2462	10.77	11.94	3.40	2.19	0.0052
11n HT40	CH3	2422	9.25	8.41	3.40	2.19	0.0037
	CH6	2437	9.65	9.23	3.40	2.19	0.0040
	CH9	2452	9.50	8.91	3.40	2.19	0.0039

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