

## 11.MPE ESTIMATION

### 11.1.Limit for General Population/ Uncontrolled Exposures

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

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

Note: F= Frequency in MHz

### 11.2.2, Estimation Result

EUT:LED TV		
M/N: M321MV		
Test date:2011-08-08	Pressure: 100.6 kpa	Humidity: 54%
Tested by: Leo-Li	Test site: RF Site	Temperature : 25℃

Cable loss: 1 dB		Attenuator loss: 20 dB				Antenna Gain: 1.88 dBi	
Test Mode	CH	Frequency ( MHz )	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11b	CH1	2412	18.52	71.12	1.88	1.54	0.0218
	CH6	2437	17.6	57.54	1.88	1.54	0.0177
	CH11	2462	17.49	56.10	1.88	1.54	0.0172
11g	CH1	2412	22.18	165.20	1.88	1.54	0.0507
	CH6	2437	22.19	165.58	1.88	1.54	0.0508
	CH11	2462	22.28	169.04	1.88	1.54	0.0519
11n HT20	CH1	2412	20.44	110.66	1.88	1.54	0.0340
	CH6	2437	20.83	121.06	1.88	1.54	0.0371
	CH11	2462	20.95	124.45	1.88	1.54	0.0382
11n HT40	CH1	2422	24.46	279.25	1.88	1.54	0.0857
	CH4	2437	26.26	422.67	1.88	1.54	0.1297
	CH7	2452	26.17	414.00	1.88	1.54	0.1270

Note: The estimation distance is 20cm