11.MPE ESTIMATION

11.1.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

11.2. Estimation Result

EUT:AC750 Wireless Dual Band Gigabit Router		
M/N:C2		
Test date: 2014-05-09	Pressure: 101.6±1.0 kpa	Humidity: 48.4±3.0%
Tested by: Kevin_Hu	Test site: RF site	Temperature:22.7±0.6 ℃

Cable loss: 1 dB		Attenuator loss: 20 dB				Antenna Gain: 3dBi	
Test Mode	CH	Frequency（MHz）	Maximum Conducted Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11a	CH36	5180	14.40	27.54	3	2.00	0.0109
	CH40	5200	14.05	25.41	3	2.00	0.0101
	CH48	5240	14.16	26.06	3	2.00	0.0104
11n HT20	CH36	5180	14.28	26.79	3	2.00	0.0106
	CH40	5200	14.53	28.38	3	2.00	0.0113
	CH48	5240	13.86	24.32	3	2.00	0.0097
11n HT40	CH38	5190	15.02	31.77	3	2.00	0.0126
	CH46	5230	15.62	36.48	3	2.00	0.0145
11ac VHT20	CH36	5180	14.43	27.73	3	2.00	0.0110
	CH40	5200	14.80	30.20	3	2.00	0.0120
	CH48	5240	14.61	28.91	3	2.00	0.0115
11ac VHT40	CH38	5190	15.69	37.07	3	2.00	0.0147
	CH46	5230	16.09	40.64	3	2.00	0.0161
11ac VHT80	CH42	5210	15.94	39.26	3	2.00	0.0156

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