

12.MPE ESTIMATION

12.1.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

12.2. Estimation Result

EUT: UWSB-System 2.1x-W		
M/N: UWSB-50X-1		
Test date:2012-11-07	Pressure: 101.2±1.0 kpa	Humidity: 52.6±3.0%
Tested by: Leo-Li	Test site: RF Site	Temperature : 23.3±0.6 °C

Cable loss: 1 dB		Attenuator loss: 20 dB			Antenna Gain:3dBi	
Antenna	Frequency (MHz)	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
Antenna A	5180	7.35	5.43	3	2.00	0.0022
	5210	8.42	6.95	3	2.00	0.0028
	5240	8.53	7.13	3	2.00	0.0028
Antenna B	5180	12.21	16.63	3	2.00	0.0066
	5210	11.25	13.34	3	2.00	0.0053
	5240	9.18	8.28	3	2.00	0.0033