

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

5150-5250MHz Band:

EUT:Wireless Speaker System		
M/N:SC-ALL3		
Test date: 2014-04-04	Pressure: 101.2±1.0 kpa	Humidity: 48.4±3.0%
Tested by: Kevin_Hu	Test site: RF site	Temperature:20.7±0.6 °C

Cable loss: 1 dB		Attenuator loss: 20 dB				Antenna Gain: 2.9dBi	
Test Mode	CH	Frequency (MHz)	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11a	CH36	5180	12.96	19.77	2.9	1.95	0.0077
	CH40	5200	13.12	20.51	2.9	1.95	0.0080
	CH48	5240	13.95	24.83	2.9	1.95	0.0096
11n HT20	CH36	5180	12.40	17.38	2.9	1.95	0.0067
	CH40	5200	12.96	19.77	2.9	1.95	0.0077
	CH48	5240	13.59	22.86	2.9	1.95	0.0089
11n HT40	CH38	2422	15.50	35.48	2.9	1.95	0.0138
	CH46	2452	15.77	37.76	2.9	1.95	0.0147

5250-5350MHz Band:

EUT:Wireless Speaker System		
M/N:SC-ALL3		
Test date: 2014-04-04	Pressure: 101.3±1.0 kpa	Humidity: 48.4±3.0%
Tested by: Kevin_Hu	Test site: RF site	Temperature:22.7±0.6 °C

Cable loss: 1 dB		Attenuator loss: 20 dB				Antenna Gain: 2.9dBi	
Test Mode	CH	Frequency (MHz)	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11a	CH52	5260	19.43	87.70	2.9	1.95	0.0340
	CH60	5300	19.52	89.54	2.9	1.95	0.0347
	CH64	5320	19.55	90.16	2.9	1.95	0.0350
11n HT20	CH52	5260	19.84	96.38	2.9	1.95	0.0374
	CH60	5300	20.13	103.04	2.9	1.95	0.0400
	CH64	5320	19.56	90.36	2.9	1.95	0.0351
11n HT40	CH54	5270	21.25	133.35	2.9	1.95	0.0518
	CH62	5310	17.94	62.23	2.9	1.95	0.0242

5470-5725MHz Band:

EUT:Wireless Speaker System		
M/N:SC-ALL3		
Test date: 2014-04-04	Pressure: 101.3±1.0 kpa	Humidity: 48.4±3.0%
Tested by: Kevin_Hu	Test site: RF site	Temperature:22.7±0.6 °C

Cable loss: 1 dB		Attenuator loss: 20 dB				Antenna Gain: 3.4dBi	
Test Mode	CH	Frequency (MHz)	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11a	CH100	5500	18.01	63.24	3.4	2.19	0.0275
	CH120	5600	18.24	66.68	3.4	2.19	0.0290
	CH140	5700	18.57	71.94	3.4	2.19	0.0313
11n HT20	CH100	5500	19.52	89.54	3.4	2.19	0.0390
	CH120	5600	18.70	74.13	3.4	2.19	0.0323
	CH140	5700	19.72	93.76	3.4	2.19	0.0408
11n HT40	CH102	5510	22.18	165.20	3.4	2.19	0.0719
	CH134	5670	22.37	172.58	3.4	2.19	0.0752