

MPE ESTIMATION

Product Name : IP STB

Model : SP-110

FCC ID : 2AGUQ-SP-110

Limit for General Population/ Uncontrolled Exposures

Frequency	Power density (mW/ cm2)	Averaging time(minutes)
300MHz----1.5GHz	F/1500	30
1.5GHz---100GHz	1.0	30

Frequency(MHz)	Power density (mW/ cm2)	Averaging time(minutes)
2412	1	30
2437	1	30
2462	1	30

Note: F= Frequency in MHz

Estimation Result : Pass

EUT: IP STB		
M/N: SP-110		
Test date: 2016-07-27	Pressure: 102.4±1.0 kpa	Humidity: 52.6±3.0%
Tested by: THOMAX	Test site: RF site	Temperature:23.4±0.6 °C

Test Mode	CH	Frequency (MHz)	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	PSD (mW /cm ²)
11b	CH1	2412	12.86	19.32	2.4	1.74	0.0067
	CH6	2437	12.49	17.74	2.4	1.74	0.0061
	CH11	2462	12.20	16.60	2.4	1.74	0.0057
11g	CH1	2412	17.34	54.20	2.4	1.74	0.0187
	CH6	2437	16.93	49.32	2.4	1.74	0.0171
	CH11	2462	16.57	45.39	2.4	1.74	0.0157
11n HT20	CH1	2412	15.94	39.26	2.4	1.74	0.0136
	CH6	2437	15.59	36.22	2.4	1.74	0.0125
	CH11	2462	15.28	33.73	2.4	1.74	0.0117
11n HT40	CH3	2422	15.58	36.14	2.4	1.74	0.0125
	CH6	2437	15.38	34.51	2.4	1.74	0.0119
	CH9	2452	15.15	32.73	2.4	1.74	0.0113

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