

MPE ESTIMATION

Product Name : IP Set-top Box

Model : A-312

FCC ID : 2AGUQ-A312

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 Set-top Box		
M/N: A312		
Test date: 2016-09-26	Pressure: 103.5±1.0 kpa	Humidity: 53.4±3.0%
Tested by: zack_zhu	Test site: RF site	Temperature:23.9±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	13.12	20.51	3	2.00	0.0081
	CH6	2437	13.18	20.80	3	2.00	0.0083
	CH11	2462	13.23	21.04	3	2.00	0.0084
11g	CH1	2412	12.88	19.41	3	2.00	0.0077
	CH6	2437	12.75	18.84	3	2.00	0.0075
	CH11	2462	12.86	19.32	3	2.00	0.0077
11n HT20	CH1	2412	13.88	24.43	3	2.00	0.0097
	CH6	2437	13.58	22.80	3	2.00	0.0091
	CH11	2462	13.67	23.28	3	2.00	0.0092
11n HT40	CH3	2422	13.31	21.43	3	2.00	0.0085
	CH6	2437	13.10	20.42	3	2.00	0.0081
	CH9	2452	13.28	21.28	3	2.00	0.0085

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