

MPE ESTIMATION

FCC ID: 2A2QE-AT2020

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

Note: F= Frequency in MHz

2. Estimation Result

Mode	Max PK Output Power(dBm)	Tune Up Power(dBm)	Max Tune Up Power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm ²)	Power Density(mW/cm ²) Limit	Result
11b	16.60	17±1(18)	63.096	2.21	1.6634	0.027755	1.0	PASS
11g	13.88	14±1(15)	31.623	2.21	1.6634	0.013911	1.0	PASS
11n/HT20	11.38	11±1(12)	15.849	2.21	1.6634	0.006972	1.0	PASS
11n/HT40	8.79	9±1(10)	10	2.21	1.6634	0.004399	1.0	PASS

$$Pd = \frac{P_{out} * G}{4\pi r^2}$$

Note:

Note: The estimation distance is 20cm.

Note: PK Output power=conducted power.

Conducted power see the test report ZKT23051917ER-61, antenna gain=2.21dBi.

-----The End-----