

MPE ESTIMATION
FCC ID: 2AZ9V-N12

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

2, Estimation Result

2478MHz:

$$\text{EIRP(dBm)}=100.61(\text{dBuV/m})-95.3=5.31(\text{dBm})$$

	Max PK Output power(dBm)	Tune Up Power(dBm)	Max Tune Up power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm ²)
2478	5.31	5±1(6)	3.98	3.58	2.28	0.00181

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.

Conducted power see the test report HK2401100196-E

When the minimum test separation distance is >20 cm, a distance of 20 cm is applied to determine RF Exposure test exclusion. The test exclusion threshold is 0.00181 mW/cm² which is< 1.0mW/cm², RF Exposure testing is not required.

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