MPE ESTIMATION

FCC ID: 2A2HSM4

1, According to §1.1310, Limit for General Population/ Uncontrolled Exposures

r										
Frequency	Power density (mW/ cm ²)	Averaging time(minutes)								
300MHz1.5GHz	F/1500	30								
1.5GHz100GHz	1.0	30								

Note: F= Frequency in MHz

2, Estimation Result

		Frequency	Max PK Output	Tune Up	Max Tune Up	Antenna	Antenna Gain	MPE
		(MHz)	power(dBm)	Power(dBm)	power(mW)	Gain(dBi)	(numerical)	(mW/cm²)
2.	4GWiFi	2462	13.98	13±1(14)	25.119	1.68	1.47	0.00736

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

Note:

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power in mW.

G=power gain of the antenna in the direction of interest relative to an isotropic radiator

R=distance to the center of radiation of the antenna in cm

Conducted power see the test report HK2506042899-E, antenna gain=1.68dBi.

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 0.00736mW/cm² which is< 1.0 mW/cm², RF Exposure testing is not required.

----The End-----