## **MPE ESTIMATION**

FCC ID: 2BFI9-SQ11

## 1,Per FCC Part 2.1091 Radiofrequency radiation exposure evaluation: mobile devices, the limit for General Population/ Uncontrolled Exposures

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

Note: F= Frequency in MHz

## 2, Estimation Result

Frequency (MHz)	Max PK Output power(dBm)	Tune Up Power(dBm)	Max Tune Up power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm²)		
2462	12.96	12±1(13)	19.95	3	2.0	0.00792		
5745	0.30	-0.5±1(0.5)	1.12	3	2.0	0.00045		
$Pd = \frac{Pout * G}{4\pi r^2}$ : Note:								
Note: The estimation distance is 20cm								
PK Output power= conducted power.								
	(MHz) 2462 5745 Pout * G $4\pi r^2$ mation dist	(MHz) Max PK Output power(dBm) 2462 12.96 5745 0.30 Pout * G $4\pi r^2$ : mation distance is 20cm	$(MHz) Max PK Output Tune Uppower(dBm) Power(dBm)2462 12.96 12±1(13)5745 0.30 -0.5±1(0.5)Pout * G4\pi r^2;mation distance is 20cm$	$\begin{array}{c c} (MHz) & Max PK Output \\ power(dBm) & Power(dBm) \\ \hline Power(dBm) \\ \hline Power(dBm) \\ \hline Power(mW) \\ \hline 2462 & 12.96 \\ 12\pm1(13) & 19.95 \\ \hline 5745 & 0.30 \\ -0.5\pm1(0.5) & 1.12 \\ \hline Pout * G \\ \hline 4\pi r^2 \end{array}$ mation distance is 20cm	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $		

Conducted power see the test report HK2501080161-1E/2E , antenna gain=3dBi,

Note: the device could not transmit simultaneously in 2.4g WiFi and 5.8g WiFi .

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  $0.00792 \text{ mW/cm}^2$  which is<  $1.0 \text{mW/cm}^2$ , RF Exposure testing is not required.

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