

MPE ESTIMATION

FCC ID: 2BCH6-S-68

1. 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

Note: F= Frequency in MHz

2. Estimation Result

BT (Worst case):

Frequency (MHz)	Reading result (dBμV)	EIRP(dBm)	Max Tune Up Power (mW)	MPE (mW/cm²)	Power Density (mW/cm2) Limit	Result
GFSK 2480MHz	96.83	1.63	1.455	0.000463	1.0	PASS
$Pd = \frac{P_{out} * G}{4\pi r^2}$						
Note:						
Note: The estimation distance is 20cm.						
Note: Reading result see the test report UNIA24030409ER-61.						
EIRP= Reading result - 95.2						

5G WiFi (Worst case):

Mode	Max PK Output Power(dBm)	Tune Up Power(dBm)	Max Tune Up Power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm²)	Power Density (mW/cm2)	Result
Band 1	12.945	13±1(14)	25.119	2.25	1.6788	0.008394	1.0	PASS
Note: PK Output power=conducted power.								
Conducted power see the test report UNIA24030409ER-62.								

The SAR evaluation is not required.

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