

FCC ID: 2BBNO-CA701

Frequency	Power Density(mW/cm2)	Averaging Time(minutes)
300MHz-1.5GHz	F/1500	30
1.5GHz-100GHz	1.0	30

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/cm²)	Power Density(mW/cm2) Limit	Result
11b 2412MHz	9.21	9±1(10)	10	-5.09	0.3097	0.000616	1.0	PASS
$Pd = \frac{Pout * G}{4\pi r^2}$ Note: Note: The estimation distance is 20cm. Note: PK Output power=conducted power. Conducted power see the test report 23060629ER-63.								

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	7.55	8±1(9)	7.943	0.51	1.1246	0.00178	1.0	PASS
Band 4	7.53	8±1(9)	7.943	1.76	1.4997	0.00237	1.0	PASS
$Pd = \frac{Pout * G}{4\pi r^2}$								
Note:								
Note: The estimation distance is 20cm.								
Note: PK Output power=conducted power.								
Conducted power see the test report 23060629ER-64.								

BT: 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/cm ²)	Power Density(m W/cm2) Limit	Result
8DPSK 2441MHz	1.239	1±1(2)	1.585	-4.96	0.3192	0.000101	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 ZKT60629ER-61								

BLE: 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/cm ²)	Power Density(m W/cm2) Limit	Result
GFSK 2402MHz	-1.079	-1±1(0)	1	-4.96	0.3192	0.000064	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 23060629ER-62								

FM: Worst case

Frequency (MHz)	Reading result (dBμV)	EIRP(dBm)	Tune Up Power(dBm)	Max Tune Up Power (mW)	MPE (mW/cm ²)	Power Density (mW/cm2) Limit	Result
88.1	43.70	-51.50	-51±1(-50)	0.000007	0.000000001	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 23060629ER-65. EIRP= Reading result - 95.2							

The Bluetooth and WIFI can transmit simultaneously, FM cannot transmit simultaneously with other function.

So the worst simultaneous transmitting consideration:

$$\text{The ratio} = \text{MPE}_{\text{BT}}/\text{Limit} + \text{MPE}_{\text{5G WIFI}}/\text{Limit} \\ = 0.000101/1.00 + 0.00237/1.00 = 0.002471 < 1.00$$

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