

FCC ID: 2BAWSRDG-XX

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	14.63	15±1(16)	39.811	0.5	1.122	0.008886	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 23032009ER-63.								

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)	Result
Band 1	13.36	13±1(14)	25.119	-10.49	0.0893	0.000446	1.0	PASS
Band 2	12.65	13±1(14)	25.119	-11.51	0.0706	0.000353	1.0	PASS
Band 3	13.19	13±1(14)	25.119	-4.35	0.3673	0.001835	1.0	PASS
Band 4	13.35	13±1(14)	25.119	-1.01	0.7925	0.003960	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 23032009ER-64.								

BLE: Worst case

Mode	Reading result (dBμV)	EIRP(dBm)	Tune Up Power(dBm)	Max Tune Up Power (mW)	MPE (mW/cm ²)	Power Density (mW/cm ²) Limit	Result
GFSK 2402MHz	95.85	0.65	1±1(2)	1.585	0.000315	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 23032009ER-62. EIRP= Reading result - 95.2							

24G: Worst case

Mode	Reading result (dBμV)	EIRP(dBm)	Tune Up Power(dBm)	Max Tune Up Power (mW)	MPE (mW/cm ²)	Power Density (mW/cm ²) Limit	Result
Radar	108.92	13.72	14±1(15)	31.623	0.006291	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 23032009ER-64. EIRP= Reading result - 95.2							

The BT, BLE and 2.4GHz WIFI cannot transmit simultaneously.

So the worst simultaneous transmitting consideration:

The ratio=MPE_{2.4G WIFI}/Limit +MPE_{5G WIFI}/Limit+ MPE_{24G Radar}/Limit
 =0.008886/1.00+0.003960/1.00+0.006291/1.00=0.019137<1.00

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