

**FCC ID: 2A55OFZ-B15**

Portable device

According to §15.247(e)(i) and §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

According to KDB447498 D01 General RF Exposure Guidance V06

The 1-g SAR and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq$  50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, where:}$

- $f(\text{GHz})$  is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

When the minimum test separation distance is  $< 5$  mm, a distance of 5 mm is applied to determine SAR test exclusion.

BT:

Modulation	Channel Freq. (GHz)	Conducted power (dBm)	Conducted power (mW)	Tune-up power (dBm)	Max tune-up power (dBm)	Max tune-up power (mW)	Distance (mm)	Result calculation	SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	-1.922	0.64	-1±1	0.00	1.00	<5	0.30997	3.00	YES
	2.44	-1.904	0.65	-1±1	0.00	1.00	<5	0.31241	3.00	YES
	2.480	-1.96	0.64	-1±1	0.00	1.00	<5	0.31496	3.00	YES

**Conclusion:**

For the max result : 0.31496W/Kg  $\leq$  FCC Limit 3.0 for 1g SAR.

2.4G custom:

Modulation	Channel Freq. (GHz)	Conducted power (dBm)	Conducted power (mW)	Tune-up power (dBm)	Max tune-up power (dBm)	Max tune-up power (mW)	Distance (mm)	Result calculation	SAR Exclusion threshold	SAR test exclusion
GFSK	2.404	-4.42	0.36	-4±1	-3.00	0.50	<5	0.15542	3.00	YES
	2.438	-5.226	0.30	-5±1	-4.00	0.40	<5	0.12432	3.00	YES
	2.472	-5.131	0.31	-5±1	-4.00	0.40	<5	0.12519	3.00	YES

**Conclusion:**

For the max result : 0.15542W/Kg  $\leq$  FCC Limit 3.0 for 1g SAR.