

**FCC ID: 2A5JM-K8**

## 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	1.097	1.29	2 $\pm$ 1	3.00	2.00	<5	0.61847	3.00	YES
	2.441	1.034	1.27	2 $\pm$ 1	3.00	2.00	<5	0.62347	3.00	YES
	2.480	0.017	1.00	1 $\pm$ 1	2.00	1.58	<5	0.49918	3.00	YES
$\pi$ /4DQPSK	2.402	1.079	1.28	2 $\pm$ 1	3.00	2.00	<5	0.61847	3.00	YES
	2.441	0.977	1.25	1 $\pm$ 1	2.00	1.58	<5	0.49524	3.00	YES
	2.480	-0.034	0.99	0 $\pm$ 1	1.00	1.26	<5	0.39651	3.00	YES

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	-2.86	0.52	-2 $\pm$ 1	-1.00	0.79	<5	0.24622	3.00	YES
	2.44	-2.557	0.56	-2 $\pm$ 1	-1.00	0.79	<5	0.24816	3.00	YES
	2.480	-3.678	0.43	-3 $\pm$ 1	-2.00	0.63	<5	0.19873	3.00	YES

**Conclusion:**

For the max result :0.62347W/Kg  $\leq$  FCC Limit 3.0 for 1g SAR.

Note" the device could not support transmit with BT LE and BT EDR simultaneously;