

**FCC ID: 2A4WDZK-TB21**

## 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	2.409	1.74	3±1	4.00	2.51	<5	0.77860	3.00	YES
	2.44	2.412	1.74	3±1	4.00	2.51	<5	0.78474	3.00	YES
	2.480	2.644	1.84	3±1	4.00	2.51	<5	0.79114	3.00	YES
$\pi/4$ DQPSK	2.402	3.087	2.04	4±1	5.00	3.16	<5	0.98020	3.00	YES
	2.44	3.105	2.04	4±1	5.00	3.16	<5	0.98793	3.00	YES
	2.480	3.254	2.12	4±1	5.00	3.16	<5	0.99599	3.00	YES

**Conclusion:**

For the max result : 0.99599W/Kg  $\leq$  FCC Limit 3.0 for 1g SAR.