

**FCC ID: OSF-MCP-4010**

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 ≤ 50 mm are determined by:

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

- f(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.

Modulation	Channel Freq. (GHz)	Conduct ed power (dBm)	Conducte d 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	-1.95	0.64	-1±1	0	1.00	<5	0.30997	3.00	YES
	2.441	-1.49	0.71	-1±1	0	1.00	<5	0.31247	3.00	YES
	2.480	-0.98	0.80	-1±1	0	1.00	<5	0.31496	3.00	YES
π/4-DQPSK	2.402	-1.99	0.63	-1±1	0	1.00	<5	0.30997	3.00	YES
	2.441	-1.58	0.70	-1±1	0	1.00	<5	0.31247	3.00	YES
	2.480	-1.06	0.78	-1±1	0	1.00	<5	0.31496	3.00	YES
8-DQPSK	2.402	-1.81	0.66	-1±1	0	1.00	<5	0.30997	3.00	YES
	2.441	-1.44	0.72	-1±1	0	1.00	<5	0.31247	3.00	YES
	2.480	-1.01	0.79	-1±1	0	1.00	<5	0.31496	3.00	YES
BLE 1M	2.402	-1.86	0.65	-1±1	0	1.00	<5	0.30997	3.00	YES
	2.44	-1.63	0.69	-1±1	0	1.00	<5	0.31241	3.00	YES
	2.480	-1.01	0.79	-1±1	0	1.00	<5	0.31496	3.00	YES
BLE 2M	2.402	-1.91	0.64	-1±1	0	1.00	<5	0.30997	3.00	YES
	2.44	-1.68	0.68	-1±1	0	3.98	<5	1.24373	3.00	YES
	2.480	-1.04	0.79	-1±1	0	3.98	<5	1.25388	3.00	YES

**Conclusion:**

For the max result : 1.25388 ≤ 3.0 for 1g SAR, SAR is not required.

**Signature:**

**Date:** 2022-11-01

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