

FCC ID:2BC7V-J55

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 ≤ 7.5 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.

EDR:

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 calculatio n	SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	7.047	5.07	7±1	8.00	6.31	<5	1.95576	3.00	YES
	2.441	7.636	5.80	7±1	8.00	6.31	<5	1.97158	3.00	YES
	2.480	6.699	4.68	6±1	7.00	5.01	<5	1.57854	3.00	YES
π /4DQPSK	2.402	7.764	5.98	7±1	8.00	6.31	<5	1.95576	3.00	YES
	2.441	8.296	6.75	8±1	9.00	7.94	<5	2.48207	3.00	YES
	2.480	7.379	5.47	7±1	8.00	6.31	<5	1.98727	3.00	YES
8DQPSK	2.402	8.218	6.63	8±1	9.00	7.94	<5	2.46216	3.00	YES
	2.441	8.708	7.43	8±1	9.00	7.94	<5	2.48207	3.00	YES
	2.480	7.708	5.90	7±1	8.00	6.31	<5	1.98727	3.00	YES

Conclusion:

For the max result : $2.48207 \leq$ FCC Limit 3.0 for 1g SAR.