

**FCC ID:2BCLW-HW50**

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:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$  for 1-g SAR and  $\leq 7.5$  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	1.33	1.36	1±1	2.00	1.58	<5	0.49127	3.00	YES
	2.441	1.6	1.45	1±1	2.00	1.58	<5	0.49524	3.00	YES
	2.480	0.788	1.20	0±1	1.00	1.26	<5	0.39651	3.00	YES
π /4DQPSK	2.402	2.105	1.62	2±1	3.00	2.00	<5	0.61847	3.00	YES
	2.441	2.325	1.71	2±1	3.00	2.00	<5	0.62347	3.00	YES
	2.480	1.53	1.42	1±1	2.00	1.58	<5	0.49918	3.00	YES
8DQPSK	2.402	2.44	1.75	2±1	3.00	2.00	<5	0.61847	3.00	YES
	2.441	2.612	1.82	2±1	3.00	2.00	<5	0.62347	3.00	YES
	2.480	1.858	1.53	1±1	2.00	1.58	<5	0.49918	3.00	YES

BLE:

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	1.105	1.29	1±1	2.00	1.58	<5	0.49127	3.00	YES
	2.44	1.453	1.40	1±1	2.00	1.58	<5	0.49514	3.00	YES
	2.480	0.709	1.18	0±1	1.00	1.26	<5	0.39651	3.00	YES

**Conclusion:**

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