

**FCC ID:2ARWT-QS56**
**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.

**BT:**

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	3.33	2.15	4±1	5.00	3.16	<5	0.98020	3.00	YES
	2.441	3.57	2.28	4±1	5.00	3.16	<5	0.98813	3.00	YES
	2.480	2.68	1.85	3±1	4.00	2.51	<5	0.79114	3.00	YES
Pi/4 DQPSK	2.402	2.98	1.99	3±1	4.00	2.51	<5	0.77860	3.00	YES
	2.441	3.26	2.12	4±1	5.00	3.16	<5	0.98813	3.00	YES
	2.480	2.97	1.98	3±1	4.00	2.51	<5	0.79114	3.00	YES
8DPSK	2.402	2.57	1.81	3±1	4.00	2.51	<5	0.77860	3.00	YES
	2.441	3.57	2.28	4±1	5.00	3.16	<5	0.98813	3.00	YES
	2.480	3.78	2.39	4±1	5.00	3.16	<5	0.99599	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
GFSK1M bps	2.402	-1.20	0.76	-1±1	0.00	1.00	<5	0.30997	3.00	YES
	2.44	-0.98	0.80	0±1	1.00	1.26	<5	0.39330	3.00	YES
	2.480	-1.28	0.74	-1±1	0.00	1.00	<5	0.31496	3.00	YES
GFSK 2Mbps	2.402	-1.08	0.78	-1±1	0.00	1.00	<5	0.30997	3.00	YES
	2.44	-0.74	0.84	0±1	1.00	1.26	<5	0.39330	3.00	YES
	2.480	-1.00	0.79	-1±1	0.00	1.00	<5	0.31496	3.00	YES

**Conclusion:**

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

The Product unsupported at the same time to Transmitting.