

**FCC ID: 2AECY-S-62**

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 calculation	SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	2.327	1.71	1±1	2.00	1.58	<5	0.49127	3.00	YES
	2.441	2.705	1.86	1±1	2.00	1.58	<5	0.49524	3.00	YES
	2.480	2.461	1.76	1±1	2.00	1.58	<5	0.49918	3.00	YES
$\pi/4$ -DQPSK	2.402	1.877	1.54	1±1	2.00	1.58	<5	0.49127	3.00	YES
	2.441	2.241	1.68	1±1	2.00	1.58	<5	0.49524	3.00	YES
	2.480	1.976	1.58	1±1	2.00	1.58	<5	0.49918	3.00	YES
8DPSK	2.402	2.291	1.69	1±1	2.00	1.58	<5	0.49127	3.00	YES
	2.441	2.717	1.87	1±1	2.00	1.58	<5	0.49524	3.00	YES
	2.480	2.462	1.76	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 calculation	SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	6.964	4.97	5±1	6.00	3.98	<5	1.23400	3.00	YES
	2.440	7.662	5.84	5±1	6.00	3.98	<5	1.24373	3.00	YES
	2.480	6.998	5.01	5±1	6.00	3.98	<5	1.25388	3.00	YES

**Conclusion:**

For the max result :  $1.25388\text{W/Kg} \leq 3.0$  for 1g SAR, No SAR is required.

*Jason chen*

**Signature:**

**Date:** 2016-12-31

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