

**FCC ID: 2AQZL-ELT0704H**

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.

BT/BLE/WIFI:

Modulation	Channel Freq. (GHz)	Conducted power (dBm)	Conducted 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	1.24	1.33	2.2±1	3.2	2.09	<5	0.64761	3.00	YES
	2.441	2.41	1.74	2.2±1	3.2	2.09	<5	0.65285	3.00	YES
	2.480	3.20	2.09	2.2±1	3.2	2.09	<5	0.65805	3.00	YES
π/4-DQPSK	2.402	0.29	1.07	1.21±1	2.21	1.66	<5	0.51560	3.00	YES
	2.441	1.36	1.37	1.21±1	2.21	1.66	<5	0.51977	3.00	YES
	2.480	2.21	1.66	1.21±1	2.21	1.66	<5	0.52391	3.00	YES
8DPSK	2.402	0.22	1.05	1.22±1	2.21	1.66	<5	0.51560	3.00	YES
	2.441	1.64	1.46	1.22±1	2.21	1.66	<5	0.51977	3.00	YES
	2.480	2.22	1.67	1.22±1	2.21	1.66	<5	0.52391	3.00	YES
BLE	2.402	1.23	1.33	2.2±1	3.2	2.09	<5	0.64761	3.00	YES
	2.440	2.78	1.90	2.2±1	3.2	2.09	<5	0.65272	3.00	YES
	2.480	3.17	2.07	3.2±1	3.2	2.09	<5	0.65805	3.00	YES
802.11b	2.412	9.3	8.51	8.5±1	9.5	8.91	<5	2.76834	3.00	YES
	2.442	9.1	8.13	8.5±1	9.5	8.91	<5	2.78550	3.00	YES
	2.462	9.3	8.51	8.5±1	9.5	8.91	<5	2.79688	3.00	YES
802.11g	2.412	8.6	7.24	8±1	9	7.94	<5	2.46728	3.00	YES
	2.442	8	6.31	8±1	9	7.94	<5	2.48258	3.00	YES
	2.462	8.3	6.76	8±1	9	7.94	<5	2.49272	3.00	YES
802.11n HT20	2.412	8.6	7.24	8±1	9	7.94	<5	2.46728	3.00	YES
	2.442	8.1	6.46	8±1	9	7.94	<5	2.48258	3.00	YES
	2.462	8.2	6.61	8±1	9	7.94	<5	2.49272	3.00	YES
802.11n HT40	2.412	7.9	6.17	8±1	9	7.94	<5	2.46728	3.00	YES
	2.442	8.1	6.46	8±1	9	7.94	<5	2.48258	3.00	YES
	2.452	7.9	6.17	8±1	9	7.94	<5	2.48766	3.00	YES

**Conclusion:**

For the max result : 2.79688/Kg ≤ 3.0 for 1g SAR, No SAR is required.

*Jason chen*

**Signature:**

**Date:** 2018-09-04

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