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 V05

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] * [√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 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;

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion. We use 5mm as separation distance to calculate.

Maximum measured transmitter power:

Bluetooth:

Transmit Frequency (GHz)	Mode	Measured Power (dBm)	Tune-up power (dBm)	Max tune-up power(dBm)	Result calculation	1g SAR
2.402	GFSK	-3.47	-4.5±1	-3.5	0.1385	3
2.441		-4.30	-4.5±1	-3.5	0.1396	3
2.48		-5.48	-4.5±1	-3.5	0.1407	3
2.402	π/4-DQPSK	-3.52	-5±1	-4	0.1234	3
2.441		-4.27	-5±1	-4	0.1244	3
2.48		-5.68	-5±1	-4	0.1254	3
2.402	8DPSK	-3.53	-5±1	-4	0.1234	3
2.441		-4.29	-5±1	-4	0.1244	3
2.48		-5.75	-5±1	-4	0.1254	3

Conclusion:

For the max result : 0.1407≤ 3.0 for 1g SAR, No SAR is required.

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Signature: **Date:** 2016-8-17

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