FCC ID: 2APU3-TSD0002-619

Portable device

According to §15.247(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 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:

BT DSS:

Transmit Frequency (GHz)	Mode	Max Conducted Power (dBm)	tune up maximum power(dBm)	Result calculation	1-g SAR
2.402	GFSK	**3.778**	4.0	0.78	3
2.441	GFSK	2.753	4.0	0.78	3
2.480	GFSK	2.702	4.0	0.79	3
2.402	pi/4-DQPSK	2.865	3.0	0.62	3
2.441	pi/4-DQPSK	1.766	3.0	0.62	3
2.480	pi/4-DQPSK	1.687	3.0	0.63	3
2.402	8DPSK	2.930	3.0	0.62	3
2.441	8DPSK	1.821	3.0	0.62	3
2.480	8DPSK	1.720	3.0	0.63	3

Conclusion:

For the max result : 0.79≤ 3.0 for 1-g SAR extremity SAR, No SAR is required.

Signature: 

Date: 2018.06.19

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