

FCC ID: 2AB4KMTYH8181

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:

$$\left[\frac{\text{max. power of channel, including tune-up tolerance, mW}}{\text{min. test separation distance, mm}} \right]^* \left[\sqrt{f(\text{GHz})} \right] \leq 3.0$$
 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	-2.29	-2	0.196	3
2.441	GFSK	-5.45	-2	0.197	3
2.480	GFSK	-2.03	-2	0.199	3
2.402	pi/4-DQPSK	-1.41	-1	0.246	3
2.441	pi/4-DQPSK	-4.4	-1	0.248	3
2.480	pi/4-DQPSK	-1.2	-1	0.250	3
2.402	8DPSK	-1.01	-1	0.246	3
2.441	8DPSK	-3.96	-1	0.248	3
2.480	8DPSK	-1.57	-1	0.250	3

Conclusion:

For the max result : $1.987 \leq 3.0$ for 1-g SAR extremity SAR, No SAR is required.

Signature:



Date: 2021.10.8

NAME AND TITLE (Please print or type): Lisa Wang/Manager

COMPANY (Please print or type): Shenzhen EMTEK Co.,Ltd./Building 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, China