

RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	Bluetooth Speaker	8	0	
Model Name	DJ1BTS	1.G	NGC	
FCC ID	2ASQI-DJ1BTS	- C	8	

2. EVALUATION METHOD

According to 447498 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)] $\cdot [\sqrt{f(GHz)}] \le 3.0$ 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

3. CALCULATION

BR&EDR:

Pt=2.601dBm=1.82mW

The value of the Maximum output power P_t is referred to the test report of the CFR47 §15.247.

The result for RF exposure evaluation SAR=(1.82mW /5mm) .[$\sqrt{2.480}$ GHz)]=0.57<3.0 for 1-g SAR and \leq 7.5 for 10-g extremity SAR.

BLE GFSK 1Mbps:

P_t=0.052dBm=1.01mW

The value of the Maximum output power P_t is referred to the test report of the CFR47 §15.247.

The result for RF exposure evaluation SAR=(1.01mW /5mm) .[$\sqrt{2.480}$ GHz)]= 0.32<3.0 for 1-g SAR and \leq 7.5 for 10-g extremity SAR.

4. CONCLUSION

The SAR evaluation is not required.

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