

RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	Bluetooth Module
Model Name	FSC-BT836B
FCC ID	2AMWOFSC-BT836B

2. EVALUATION METHOD

According to 447498 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 \leq 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] $\left[\sqrt{f(GHz)}\right] \le 3.0$ 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 BLE:

P_t=4.070dBm=2.55mW

The value of the Maximum output power Pt is referred to the test report of the CFR47

§15.247.

The result for RF exposure evaluation SAR=(2.55mW /5mm) .[$\sqrt{2.48}$ (GHz)]= 0.80<3.0 for 1-g SAR and \leq 7.5 for 10-g extremity SAR.

BR/EDR:

P_t=7.490dBm=5.61mW

The value of the Maximum output power Pt is referred to the test report of the CFR47

§15.247.

The result for RF exposure evaluation SAR=(5.61mW /5mm) .[$\sqrt{2.48}(GHz)$]= 1.74<3.0 for 1-g SAR and \leq 7.5 for 10-g extremity SAR.

4. CONCLUSION

The SAR evaluation is not required.

