RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	Bluetooth Module
Model Name	FSC-BT1026
FCC ID	2AMWO-FSCBT1026

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)] ·[√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

3. CALCULATION

BR/EDR:

P_t=9.643dBm=9.21mW

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=(9.21mW /5mm) .[√2.402GHz)]=2.85<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

BLE 1M:

P_t=7.262dBm=5.32mW

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=(5.32mW /5mm) .[√2.480GHz)]=1.67<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

BLE 2M:

P_t=7.243dBm=5.30mW

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=(5.30mW /5mm) .[√2.480GHz)]=1.66<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

4. CONCLUSION

The SAR evaluation is not required.