RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	Bluetooth USB Adapter
Model Name	BT-801
Series Model	BT-802
FCC ID	2AKC6XHT-BT801

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

BLE

P_t=4.655dBm=2.92mW

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=(2.92mW /5mm) .[√2.480GHz)]=0.92<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

BR EDR

P_t=6.647dBm=4.62mW

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=(4.62mW /5mm) .[√2.480GHz)]=1.45<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

4. CONCLUSION

The SAR evaluation is not required.