RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	Baseus True Wireless Earphones
Model Name	Baseus Bowie WX5
FCC ID	2A482-BSWX5

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 Left:

P_t= 1.740dBm=1.49mW

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=(1.49mW /5mm) .[√2.480GHz)]=0.47<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

BR/EDR Right:

P_t= 2.329dBm=1.71mW

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=(1.71mW /5mm) .[√2.480GHz)]=0.54<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

BLE Left 1M:

P_t= 1.489dBm=1.41mW

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=(1.41mW /5mm) .[√2.480GHz)]=0.44<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

BLE Left 2M:

P_t= 1.461dBm=1.39mW

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=(1.39mW /5mm) .[√2.480GHz)]=0.43<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

BLE Right 1M:

P_t= 2.287dBm=1.69mW

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=(1.69mW /5mm) .[√2.480GHz)]=0.53<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

BLE Right 2M:

P_t= 2.275dBm=1.68mW

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=(1.68mW /5mm) .[√2.480GHz)]=0.52<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

4. CONCLUSION

The SAR evaluation is not required.