RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	Xelerate Wireless Sports Earphones
Model Name	Xelerate
FCC ID	2ANOX69100

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 ≤ 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

BLE:

P_t=3.268dBm=2.12mW

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=(2.12mW /5mm) .[$\sqrt{2.44}$ (GHz)]= 0.66<3.0 for 1-g SAR and \leq 7.5 for 10-g extremity SAR.

BR/EDR:

Pt=2.517dBm=1.79mW

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=(1.79mW /5mm) .[$\sqrt{2.441}$ (GHz)]= 0.56<3.0 for 1-g SAR and \leq 7.5 for 10-g extremity SAR.

4. CONCLUSION

The SAR evaluation is not required.