RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	Boxing Punch tracker
Model Name	BX100, BX200
FCC ID	2ACN7BX100

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 ≤ 5 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

FCC 2.4G:

P_t=0.144dBm=1.03mW

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=(1.03mW /5mm) .[√2.457(GHz)]= 0.32<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

BLE GFSK 1Mbps:

P_t=0.113dBm=1.03mW

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=(1.03mW /5mm) .[√2.402GHz)]= 0.32<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

BLE GFSK 2Mbps:

P_t=0.237dBm=1.06mW

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=(1.06mW /5mm) .[√2.480GHz)]= 0.33<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

4. CONCLUSION

The SAR evaluation is not required.