RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	Bike Computer
Model Name	BC200, BC201
FCC ID	2ACN7BC200

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

BLE:

P_t=-3.346dBm=0.46mW

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=(0.46mW /5mm) .[√2.402(GHz)]= 0.14<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

2.4G:

P_t=-3.218dBm=0.48mW

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=(0.48mW /5mm) .[√2.457(GHz)]= 0.15<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

Note:
1. The 2.4GHz and BT(BLE) can not transmit simultaneously:

4. CONCLUSION

The SAR evaluation is not required.