RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	Smart GPS Cycling Computer
Model Name	XOSS G+
FCC ID	2AJFWXOSSG

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)] ·[√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: GFSK 1Mbps

Pt=2.163dBm=1.64mW

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=(1.64mW /5mm) .[√2.480(GHz)]= 0.52<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

BLE: GFSK 2Mbps

Pt=-2.045dBm=0.62mW

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=(0.62mW /5mm) .[√2.402(GHz)]= 0.19<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

Pt=2.122dBm=1.63mW

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=(1.63mW /5mm) .[√2.457(GHz)]= 0.51<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

4. CONCLUSION

The SAR evaluation is not required.