

RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

| Product Description | Bluetooth Sports Watch |
|---------------------|------------------------|
| Model Name | mentech watch Xea |
| FCC ID | 2A95D-MP02 |

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)] $\cdot [\sqrt{f(GHz)}] \le 3.0$ 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 BR&EDR:

P_t=7.542dBm=5.678mW

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= $(5.678\text{mW} / 5\text{mm}).[\sqrt{2.480\text{GHz}}]=1.78<3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

BLE 1M:

P_t=4.788dBm=3.012mW

The value of the Maximum output power P_t is referred to the test report of the CFR47 $\S15.247$.

The result for RF exposure evaluation SAR= $(3.012\text{mW} / 5\text{mm}).[\sqrt{2.480\text{GHz}}]=0.95<3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

BLE 2M:

P_t=4.520dBm=2.831mW

The value of the Maximum output power P_t is referred to the test report of the CFR47 $\S15.247$.

The result for RF exposure evaluation SAR=(2.831mW / 5mm).[$\sqrt{2.480}$ GHz)]=0.89<3.0 for 1-g SAR and \leq 7.5 for 10-g extremity SAR.

CONCLUSION

The SAR evaluation is not required.

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