# RF EXPOSURE EVALUATION

## 1. PRODUCT INFORMATION

Product Description	Bluetooth Transmitter and Receiver
Model Name	I2, BT-BA001, I1, BTI-039, BTI-040, BTI-041, BTI-031, I3, I5, I6, I7, I8, I9, I10, I11, I12, ET03, ET04, IXX
FCC ID	WSGI2

### 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  $\le 7.5$  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

Pt=4.767dBm=3.00mW

The value of the Maximum output power Pt is referred to the test report of the CFR47 §15.247.

The result for RF exposure evaluation SAR=(3.00mW /5mm) .[ $\sqrt{2.48}$ (GHz)]= 0.86<3.0 for 1-g SAR and  $\leq$  7.5 for 10-g extremity SAR.

# 4. CONCLUSION

The SAR evaluation is not required.