## RF EXPOSURE EVALUATION

## 1. PRODUCT INFORMATION

Product Description	Bluetooth earphone
Model Name	M811-BT
FCC ID	2AE9WM811-BT

# 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

According to the follow transmitter output power (  $P_t$  ) formula :  $P_t$ = (  $E \times d$  )  $^2$ / (  $30 \times g_t$  )  $P_t$ =transmitter output power in watts  $g_t$ =numeric gain of the transmitting antenna (unitess) E=electric field strength in V/m d=measurement distance in meters (m)

According to the report ATSE170610421, The result for RF exposure evaluation SAR= (0.583mW /5mm) .[√2.48(GHz)]= 0.184<3.0 for 1-g SAR

### 4. CONCLUSION

The SAR evaluation is not required.