## **RF Exposure Requirements**

Product Description:Bluetooth Speaker

Model No.: X05-1

FCC ID:2AJP3-X05-1

According to the KDB 447498 D01 v06 section 4.3.1, for 100 MHz to 6 GHz and test separation distances  $\leq$  50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

[(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 calculation17

- The result is rounded to one decimal place for comparison

## **Calculation Result:**

Tx frequency range:2402MHz Min. test separation distance: 5mm Maximum Conducted Output Power:1.78dBm(1.507mW) Tune-Up output power: 4dBm(2.5mW) RF channel transmit frequency:2402MHz Result: 0.77 Limit: 3.0

Tx frequency range:2442MHz Min. test separation distance: 5mm Maximum Conducted Output Power:3.01dBm(2.000 mW) Tune-Up output power: 4dBm(2.5mW) RF channel transmit frequency:2442MHz Result: 0.78 Limit: 3.0

Tx frequency range:2480MHz Min. test separation distance: 5mm Maximum Conducted Output Power:1.61dBm(1.449 mW) Tune-Up output power: 4dBm(2.5mW) RF channel transmit frequency:2480MHz Result: 0.79 Limit: 3.0

The exclusion thresholds is 0.31 < 3, so the transmitter complies with the RF exposure requirements and the SAR is not required.