

## RF Exposure Requirements

---

Product Description:Bluetooth sound box with alarm clock

Model No.: K11,X11,X10,X7,M7,M9

FCC ID:2AP8M-K11

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:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR, where

-  $f(\text{GHz})$  is the RF channel transmit frequency in GHz

- Power and distance are rounded to the nearest mW and mm before calculation<sup>17</sup>

- 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:-3.07dBm(0.493mW)

Tune-Up output power: 0dBm(1mW)

RF channel transmit frequency:2402MHz

Result: 0.31

Limit: 3.0

Tx frequency range:2440MHz

Min. test separation distance: 5mm

Maximum Conducted Output Power:-1.68dBm(0.679 mW)

Tune-Up output power: 0dBm(1mW)

RF channel transmit frequency:2440MHz

Result: 0.31

Limit: 3.0

Tx frequency range:2480MHz

Min. test separation distance: 5mm

Maximum Conducted Output Power:-3.04dBm(0.497 mW)

Tune-Up output power: 0dBm(1mW)

RF channel transmit frequency:2480MHz

Result: 0.31

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.