

# FCC RF Exposure

Product Name: clip-in-ear Bluetooth headphones

FCC ID: 2BTVI-S6

Model(s): S6

## 1. Limits

According to KDB 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  $\leq 50$  mm are determined by:

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

Where:

$\text{Result} = P/D \cdot \sqrt{F}$

F= the RF channel transmit frequency in GHz

P=Maximum turn-up power in mw

D=Min. test separation distance in mm

## 2. Test Result of RF Exposure Evaluation

|     | Frequency (MHz) | Output power (dBm) | Tune Up Power (dBm) | Max Tune Up power (mW) | Min test separation distance (mm) | Result | Limit | SAR Test Exclusion |
|-----|-----------------|--------------------|---------------------|------------------------|-----------------------------------|--------|-------|--------------------|
| EDR | 2480            | 0.92               | 0±1(1)              | 1.259                  | 5                                 | 0.397  | 3.0   | Pass               |

Note:

PK Output power= conducted power.

Conducted power see the test report HK2512186587-E, antenna gain = 1.7dBi

Per KDB 447498 D01, when the minimum test separation distance is  $< 5$  mm, a distance of 5 mm is applied to determine SAR test exclusion. The test exclusion threshold is 0.397 which is  $\leq 3$ , SAR testing is not required.

Note: Exclusion Thresholds Results= $[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}]$

f(GHz) is the RF channel transmit frequency in GHz

Distance=5mm