

# FCC RF Exposure

EUT Description: Bluetooth earphone

Model No.: Charisma

FCC ID: **2AVER-V1**

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

Where:

Result= $P/D^2 \cdot \sqrt{F}$

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

### 2.4G

|                                                                                                                                | Output power (dBm) | Tune Up Power (dBm) | Max Tune Up power dBm/mW | Min test separation distance mm | Result | Limit | SAR Test Exclusion |
|--------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------|--------------------------|---------------------------------|--------|-------|--------------------|
| BT                                                                                                                             | -12.341            | $-13 \pm 1$         | -12/0.06                 | 5                               | 0.0196 | 3.0   | Pass               |
| Note:<br>PK Output power= conducted power.<br>Conducted power see the test report <b>HK1912103187-E</b> , antenna gain=1.75dBi |                    |                     |                          |                                 |        |       |                    |

Per KDB 447498 D01, when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine RF Exposure test exclusion. The test exclusion threshold is 0.018598 which is  $\leq 3$ , RF Exposure testing is not required.

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

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

Distance=5mm