

# FCC RF Exposure

EUT Description: Snail BT Speaker

Model No.: UO-BTSP-SN-MNT

FCC ID: **2A2IPUOBTSPSNMNT**

## 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:

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

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

|    | Output power (dBm) | Tune Up Power (dBm) | Max Tune Up power dBm/mW | Min test separation distance mm | Result  | Limit | SAR Test Exclusion |
|----|--------------------|---------------------|--------------------------|---------------------------------|---------|-------|--------------------|
| BT | -1.96              | -2±1                | -1/0.79                  | 5                               | 0.25018 | 3.0   | Pass               |

Note:  
PK Output power= conducted power.  
Conducted power see the test report HK2112244967-E, antenna gain=0dBi

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 0.25018 which is  $\leq 3$ , RF Exposure 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