

## RF exposure information

**FCC ID: VHFBLUEANT-AIR**

**Product name: Bluetooth earphone**

**Models names: PUMP AIR**

### 1. Introduction:

This product is Bluetooth earphone with Bluetooth (2402~2480MHz).

### 2. Output power considerations:

Worst case output power: 1.42dBm = 1.387mW (at 2480MHz for Bluetooth mode)

### 3. Compliance criteria:

According to 447498 D01 General RF Exposure Guidance v05 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:

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

Where:

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

Power and distance are rounded to the nearest mW and mm before calculation

Calculate:

$$(1.387/5) * \sqrt{2.480} = 0.437 < 3 \text{ for 1g SAR}$$

Then SAR evaluation is not required.