# RF Exposure Report

## FCC ID: 2AMWY-F9

## 1. GENERAL INFORMATION

1.1 GENERAL DESCRIPTION OF EUT

| | |
|---|---|
| **Equipment** | Bluetooth headphone |
| **Model Name** | F9 |
| **Additional Model Number(s)** | H6, H6+, H2, H16, H10, H20, H30, H50, H60, P1, P3, P7, P8, P9, P10, P16, P18, P20, P26, P28, P30, P50, P60, P70, P80, P90, BT-08, T3, T5, T6, T8, T9, M1, M2, M3, M5, M6, M7, M8, M9, F1, F2, F3, F5, F6, F7, R1, R2, R3、R5, R6, R7, R8, R9, B1, B2, B3, B5, B6 |
| **Model Difference** | All these models are identical in the same PCB, layout and electrical circuit, the only difference is model name for commercial. |
| **Frequency Range** | Bluetooth 4.1+EDR: 2402~2480 MHz |
| **Number of Channel:** | 79 Channels |
| **Modulation Type** | Bluetooth: GFSK/ $\pi$ /4-DQPSK/8-DPSK |
| **RF Output Power** | Max: 4.413 dBm(GFSK) |
| **Antenna Type** | PCB Antenna (Gain: 1dBi) |
| **Power Source** | DC Powered by host system or Battery . |
| **Power Rating** | DC 5V from USB interference.<br>DC 3.7V from Battery. |
| **Remark** | More details EUT technical specifications, please refer to the User's Manual. *all tests were carried out with the worst case test modes GFSK and 8-DPSK.* |

## 2. RF EXPOSURE INFORMATION

# SAR Test Exclusion Calculations

**2.1 FCC: According to KDB 447498 D01 Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies v06.**

**(1) Clause 4.3: General SAR test reduction and exclusion guidance**
**Sub clause 4.31: Standalone SAR test exclusion considerations**
**1) The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6GHz at test separation distance≤50 mm are determined by:**

**[(max. power of channel, including tune-up tolerance, mW)/(min. test separation, mm)]*[$\sqrt{f_{(GHz)}}$ ] ≤3.0 for 1-g SAR**
**[(max. power of channel, including tune-up tolerance, mW)/(min. test separation, mm)]*[$\sqrt{f_{(GHz)}}$ ] ≤7.5.0 for 10-g SAR**

**2.2 Calculation:**

| Bluetooth Mode | | | | | | |
|---|---|---|---|---|---|---|
| GFSK(1Mbps) | | | | | | |
| Frequency (MHz) | Conducted Power (dBm) | Turn-up Power Tolerance (dB) | MAX Power of Turn-up Tolerance (dbm) | TX Power (mW) | Calculation Value | Threshold Value |
| 2402 | 4.413 | 4±1 | 5 | 3.162 | 0.980 | 3.0 |
| 2441 | 4.403 | 4±1 | 5 | 3.162 | 0.988 | 3.0 |
| 2480 | 4.093 | 4±1 | 5 | 3.162 | 0.996 | 3.0 |
| π /4-DQPSK (2Mbps) | | | | | | |
| Frequency (MHz) | Conducted Power (dBm) | Turn-up Power Tolerance (dB) | MAX Power of Turn-up Tolerance (dbm) | TX Power (mW) | Calculation Value | Threshold Value |
| 2402 | 3.744 | 4±1 | 5 | 3.162 | 0.980 | 3.0 |
| 2441 | 3.621 | 4±1 | 5 | 3.162 | 0.988 | 3.0 |
| 2480 | 3.011 | 4±1 | 5 | 3.162 | 0.996 | 3.0 |
| 8-DPSK(3Mbps) | | | | | | |
| Frequency (MHz) | Conducted Power (dBm) | Turn-up Power Tolerance (dB) | MAX Power of Turn-up Tolerance (dbm) | TX Power (mW) | Calculation Value | Threshold Value |
| 2402 | 3.952 | 4±1 | 5 | 3.162 | 0.980 | 3.0 |
| 2441 | 3.847 | 4±1 | 5 | 3.162 | 0.988 | 3.0 |
| 2480 | 3.355 | 4±1 | 5 | 3.162 | 0.996 | 3.0 |

**So standalone SAR measurements are not required.**

********END OF REPORT********