

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/ π /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. DC 3.7V from Battery.
Remark	More details EUT technical specifications, please refer to the User's Manual. <i>all tests were carried out with the worst case test modes GFSK and 8-DPSK.</i>

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:

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

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation, mm})] * [\sqrt{f_{\text{GHz}}}] \leq 7.5.0$ 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
$\pi/4$ -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*****