

FCC RF Exposure

EUT Description: **Bluetooth Earphone**

Model No.: **WH-BT9010, WH-BT9006, WH-BT9007, WH-BT9008, WH-BT9009, WH-BT9011, WH-BT9012, WH-BT9013, WH-BT9014, WH-BT9015, WH-BT9016, WH-BT9018, WH-BT9019, WH-BT9021, WH-BT9022, WH-BT9023, WH-BT9024, WH-BT9025, WH-BT9026, WH-BT9027, WH-BT9028**

FCC ID: **2AVD8-WH-BT9010**

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 ≤ 50 mm are determined by:

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

Where:

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

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 (mW/cm ²)	SAR Test Exclusion
EDR	3.354	3±1	4/2.51	5	0.791	3.0	Pass

Note:

PK Output power = conducted power.

Conducted power see the test report HK1912053150-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 SAR test exclusion. The test exclusion threshold is 0.791 which is ≤ 3 , SAR testing is not required.

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

$f(\text{GHz})$ is the RF channel transmit frequency in GHz

Distance = 5mm