

RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	Bluetooth Headset
Model Name	MZX008, MZX008-BLK-BUR, MZX008-RED-BUR, MZX008-WHT-BUR, MZX008-RYB-BUR, BT-1300, BT-1060F, BT-1090P, BT-1090, BT-1060, BT-1100F, BT-1300F, BT-2020, BT-685, BT-686, BT-1108, BT-261, BT-1066, BT-1069, BT-1070, BT-1080, BT-1050, BT-597, BT-680, BT-222, BT-222F, BT-235, BT-102
FCC ID	2ALHZBT-1300

2. EVALUATION METHOD

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

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

3. CALCULATION

$P_t = -5.13\text{dBm} = 0.31\text{mW}$

The value of the Maximum output power P_t is referred to the test report of the CFR47 §15.247.

The result for RF exposure evaluation $\text{SAR} = (0.31\text{mW} / 5\text{mm}) \cdot [\sqrt{2.441(\text{GHz})}] = 0.10 < 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

4. CONCLUSION

The SAR evaluation is not required.