RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	Bluetooth Headphone
Model Name	AI5001
Series Model	AI5001-BLK, AI5001-BST , AI5001-WHT , AI5001-RG, AI5001-GRY, AI5001-GLD, BT-1090B, BT-1090, BT-2020, BT-1100B, BT-1100BF, BT-1100, BT-1300, BT-1300B, BT-1300BF, BT-686, BT-102, BT-685, BT-1102, BT-1103, BT-937, BT-739, BT-1108, BT-1106, BT-936, BT-1060F, BT-1060, BT-1092, BT-1094, BT-1080, BT-229, BT-1104, BT-1500, BT-1600, BT-1700, BT-1800, BT-1066, BT-1070, BT-688, BT-689, BT-222, BT-222F, BT-1050, BT-2030, BT261, BT-1501, BT-601, BT-1069, BT-1106, BT-1093, BT-235
FCC ID	2ALHZBT-1600

2. EVALUATION METHOD

According to 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:
[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] ·[√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 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

3. CALCULATION

BR&EDR:

P_t=1.969dBm=1.57mW

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 SAR=(1.57mW / 5mm).[√2.402GHz)]=0.487<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

4. CONCLUSION

The SAR evaluation is not required.