RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	Wireless Headphones
Test Model	ML 105
FCC ID	Z4C-ML105

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

BLE 1M:
Pt=-0.612dBm=0.87mW
The value of the Maximum output power Pt is referred to the test report of the CFR47 §15.247.
The result for RF exposure evaluation SAR=(0.87mW /5mm) .[√2.480(GHz)]= 0.27<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

BLE 2M:
Pt=-0.556dBm=0.88mW
The value of the Maximum output power Pt is referred to the test report of the CFR47 §15.247.
The result for RF exposure evaluation SAR=(0.88mW /5mm) .[√2.480(GHz)]= 0.28<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

4. CONCLUSION

The SAR evaluation is not required.

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