

RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	Bluetooth speaker
Model Name	MPD4LT , MPD20LT, MPD655B, MW-190B, MW-191B, MW-192B, MW-193B, MW-136, MW-137, MW-139, MW-118,MW-119M, MW-325, MW-519, MW-520, MW-208, MW-208B, MW-209, MW-207, MW-530, MW-522, MW-523, MW-524, MW-525, MW-526, MW-316, MW-220C, MW-225, MW-203, MW-204, MW-205, MW-206, MR-305, MT1, MT2, MT3, MT4, MB-220, MB-221, MB-231, MB-235, MB-236, MB-237, MB-238, MB-187, MB-189, MW-201
FCC ID	2AHQL-MPD4LT

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

$$P_t = 4.523 \text{ dBm} = 2.83 \text{ mW}$$

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 $\text{SAR} = (2.74 \text{ mW} / 5 \text{ mm}) \cdot [\sqrt{2.48(\text{GHz})}] = 0.86 < 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

4. CONCLUSION

The SAR evaluation is not required.