

## RF EXPOSURE EVALUATION

### 1. PRODUCT INFORMATION

Product Description	Muzen Disco Portable Bluetooth Speaker
Model Name	MW-P6I
Series Model	MW-P6
FCC ID	2ALXL-P6I

### 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)]  $\cdot [\sqrt{f(GHz)}] \le 3.0$  for 1-g SAR and  $\le 7.5$  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<sub>t</sub>=2.504dBm=1.78mW

The value of the Maximum output power P<sub>t</sub> is referred to the test report of the CFR47 §15.247.

The result for RF exposure evaluation SAR= $(1.78\text{mW} / 5\text{mm}).[\sqrt{2.480\text{GHz}}]=0.559<3.0$  for 1-g SAR and  $\leq$  7.5 for 10-g extremity SAR.

BLE:

P<sub>t</sub>=-2.075dBm=0.62mW

The value of the Maximum output power  $P_t$  is referred to the test report of the CFR47  $\S15.247$ .

The result for RF exposure evaluation SAR= $(0.62\text{mW} / 5\text{mm}).[\sqrt{2.480\text{GHz}}]=0.195<3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR.

# 4. CONCLUSION

The SAR evaluation is not required.

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