

RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	PORTABLE KARAOKE PLAYER WITH BLUETOOTH
Model Name	SML640, SML642, SML640J, SML642XX and SML640XX (XX means unit color, it can be A to Z or N/A)
FCC ID	2AAXO-SML640

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:

[(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 ≤ 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

P_t=4.178dBm=2.62mW

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= $(2.62 \text{mW} / 5 \text{mm}) \cdot [\sqrt{2.48}(\text{GHz})] = 0.83 < 3.0 \text{ for } 1-\text{g SAR} \text{ and } \leq 7.5 \text{ for } 10-\text{g extremity SAR}.$

4. CONCLUSION

The SAR evaluation is not required.

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