

**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	2AAAXO-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  $\leq$  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  $\leq 7.5$  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**

$$P_t = 4.178 \text{ dBm} = 2.62 \text{ mW}$$

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  $\text{SAR} = (2.62 \text{ mW} / 5 \text{ mm}) \cdot [\sqrt{2.48(\text{GHz})}] = 0.83 < 3.0$  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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