

RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

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| Product Description | UHF WIRELESS MIC |
| Model Name | SMM107U, SMM107, SMM107A, SMM107XX (X is reserved for future color change, it can be 0-9, A-Z or NA) |
| FCC ID | 2AAXO-SMM107U |

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 \leq 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR.}$

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

Wireless microphones:

$$P_t = -25.90 \text{ dBm} = 0.003 \text{ mW}$$

The result for RF exposure evaluation $\text{SAR} = (0.003 \text{ mW} / 5 \text{ mm}) \cdot [\sqrt{0.6627(\text{GHz})}] = 0.00049 < 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR.}$

4. CONCLUSION

The SAR evaluation is not required.