

RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	LED Speaker Lighting
Model Name	YXF-S001~YXF-S050: YXF-S001 to YXF-S050, YXF-M001~YXF-M050: YXF-M001 to YXF-M050, YXF-LS001~YXF-LS050: YXF-LS001 to YXF-LS050
FCC ID	2APVV-YXFLS001050

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 ≤ 5 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

According to the report WH-FCC-R18061103,

The result for RF exposure evaluation

BT: SAR= $(0.94\text{mW} / 5\text{mm}) \cdot [\sqrt{2.441(\text{GHz})}] = 0.294 < 3.0$ for 1-g SAR

4. CONCLUSION

The SAR evaluation is not required.