

# RF EXPOSURE EVALUATION

## 1. PRODUCT INFORMATION

Product Description	MULTICOLOR-CHANGING LED LIGHTBULB WITH REMOTE & APP
Model Name	FB-BAPP
Series Model	N/A
FCC ID	2AANZBAPPBQ

#### 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

P<sub>t</sub>=-5.615dBm=0.27mW

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= $(0.27\text{mW} / 5\text{mm}) \cdot [\sqrt{2.44}(\text{GHz})] = 0.10 < 3.0$  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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