



RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	LEDEEZ 2PK BT BULB
Test Model	LE-SWBU
Series Model	LE-SWBU-2PK-MLT, LE-SWBU-MLT, LE-SWBU-2PK-XXX, LE-SWBU-XXX
FCC ID	2AANZSWBU

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:

$$\left[\frac{\text{(max. power of channel, including tune-up tolerance, mW)}}{\text{(min. test separation distance, mm)}} \cdot \sqrt{f(\text{GHz})} \right] \leq 3.0$$
 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

$$P_t = 3.885 \text{ dBm} = 2.446 \text{ mW}$$

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 $\text{SAR} = (2.446 \text{ mW} / 5 \text{ mm}) \cdot \sqrt{2.440 \text{ GHz}} = 0.76 < 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

CONCLUSION

The SAR evaluation is not required.

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Attestation of Global Compliance(Shenzhen)Co., Ltd

Attestation of Global Compliance(Shenzhen)Std & Tech Co., Ltd

Tel: +86-755 2523 4088 E-mail: agc@agccert.com Web: <http://www.agccert.com/>