



Certification Exhibit

FCC ID: 2ADCB-BTRMJOT2

FCC Rule Part: 47 CFR Part 2.1091

TÜV SÜD Project Number: 72158956

**Manufacturer: Acuity Brands Lighting, Inc.
Model: BTRMJOT2**

RF Exposure

TÜV SÜD America
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General Information:

Applicant: Acuity Brands Lighting, Inc.
 Device Category: Mobile
 Environment: General Population/Uncontrolled Exposure

Technical Information:

Antenna Type: Multiple
 Antenna Gain(s): PCB Trace Antenna / 2.1 dBi
 External Flag Antenna / 1.5 dBi
 Maximum Transmitter Conducted Power: 11.33 dBm, 13.5831 mW
 Maximum System EIRP: 13.43 dBm, 22.0293 mW
 Exposure Conditions: 20 centimeters or greater

MPE Calculation

The Power Density (mW/cm²) is calculated as follows:

$$S = \frac{PG}{4\pi R^2}$$

Where:

- S = power density (in appropriate units, e.g. mW/cm²)
- P = power input to the antenna (in appropriate units, e.g., mW)
- G = power gain of the antenna in the direction of interest relative to an isotropic radiator
- R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)

Table 1: MPE Calculation

Antenna	Transmit Frequency (MHz)	Radio Power (dBm)	Power Density Limit (mW/Cm ²)	Radio Power (mW)	Antenna Gain (dBi)	Antenna Gain (mW eq.)	Distance (cm)	Power Density (mW/cm ²)
Trace	2402	11.33	1.00	13.58	2.1	1.622	20	0.004
Flag	2402	11.33	1.00	13.58	1.5	1.413	20	0.004

Note: The device does not support simultaneous transmissions