

Antenna Specification

Manufacturer: Lutron Electronics Co., Inc.

1. Antenna construction

The Robin antenna is a monopole soldered onto the PCB. The antenna is a stamped metal piece made of stainless steel. The antenna connection points are permanently attached to the DUT and cannot be modified or replaced by the user as they are behind the reflector inside the plastic enclosure.

2. Antenna Characteristics

No.	Item	Specification
1	Type	Monopole
2	Connection Type	Permanently Attached
3	Bandwidth	2402~2480 MHz
4	Peak Gain	+1.14 dBi

3. Antenna Picture

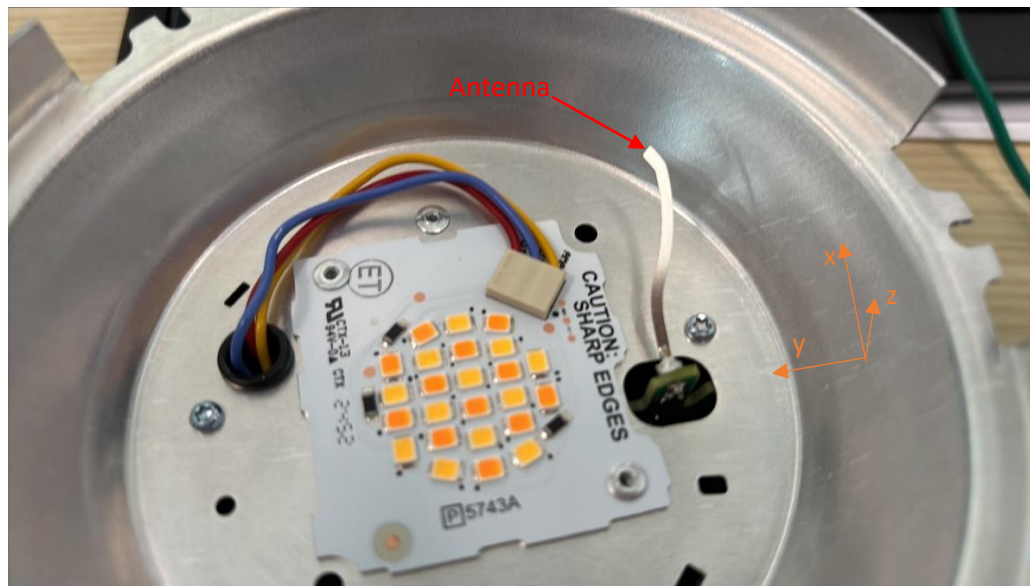


Figure 1: Antenna

4. Peak Gain and Pattern

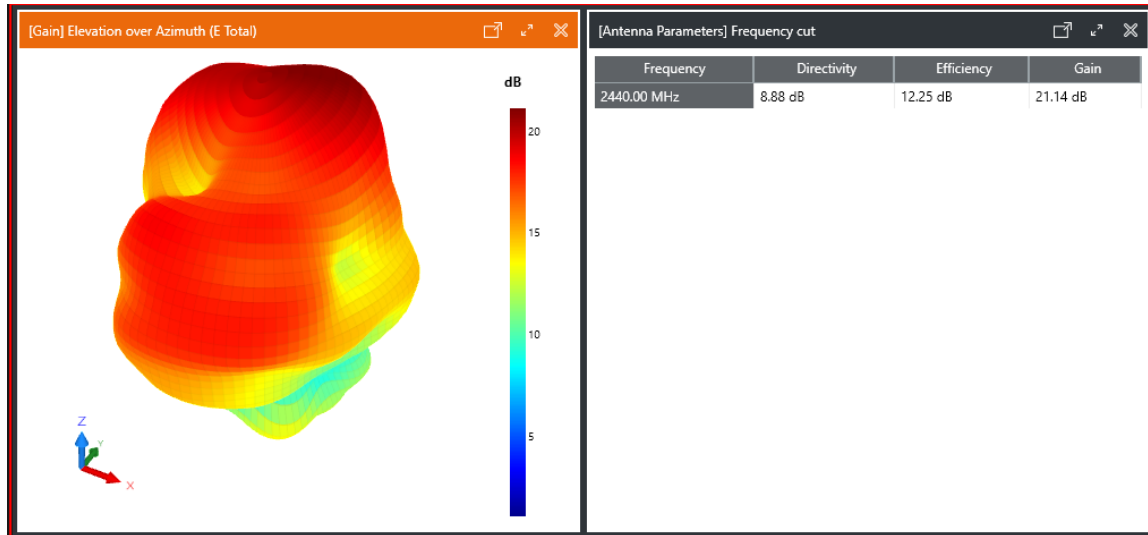


Figure 2: Robin Peak Gain, showing results with zzz-RD6xx-yy in a 5" fixture can

Peak Gain dBi = EIRP as reported by StarLab – Measured conducted RF power

Peak Gain dBi = 21.14 dB - 20 dBm = +1.14 dBi

Peak Gain dBd = 21.14 dB - 20 dBm - 2.15 dB = -0.99 dBd

5. Test Site and Procedure

The antenna gain is measured at Lutron Electronics, using MVG StarLab model SL V2_0.4-6GHz.

6. Equipment List

Description	Make and Model	Calibrated	Calibration Due
StarLab Test Setup	StarLab SL V2_0.4-6GHz	11/13/2025	11/13/2026
RF Power Sensor	R&S NRPS8	9/15/2023	9/15/2026

7. Test Setup Photograph

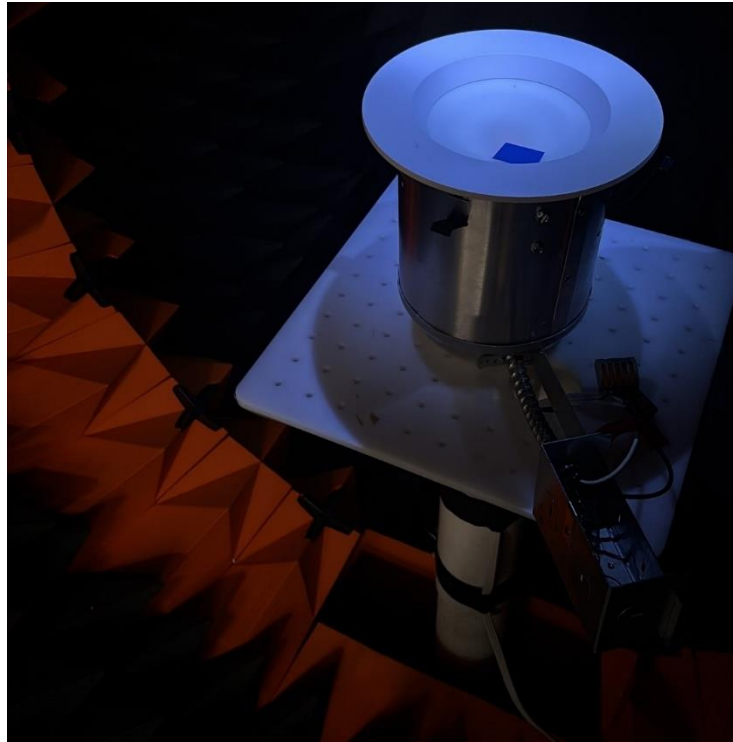


Figure 3: Antenna Gain Measurement Setup: zzz-RD6xx-yy in a 5" fixture can



Figure 4: Antenna Gain Measurement Setup: zzz-RD4xx-yy in a 4" fixture can