

JPZ0160 Antenna Specification

Manufacturer: Lutron Electronics Co., Inc.

1. Antenna construction

The JPZ0160 antenna is a monopole printed onto the PCB. The antenna connection points are permanently attached to the DUT and cannot be modified or replaced by the user.

2. Antenna Characteristics

No.	Item	Specification
1	Type	Monopole (Copper trace on PCB)
2	Connection Type	Permanently Attached
3	Bandwidth	2400~2500 MHz
4	Peak Gain	+4.95 dBi

3. Antenna Picture

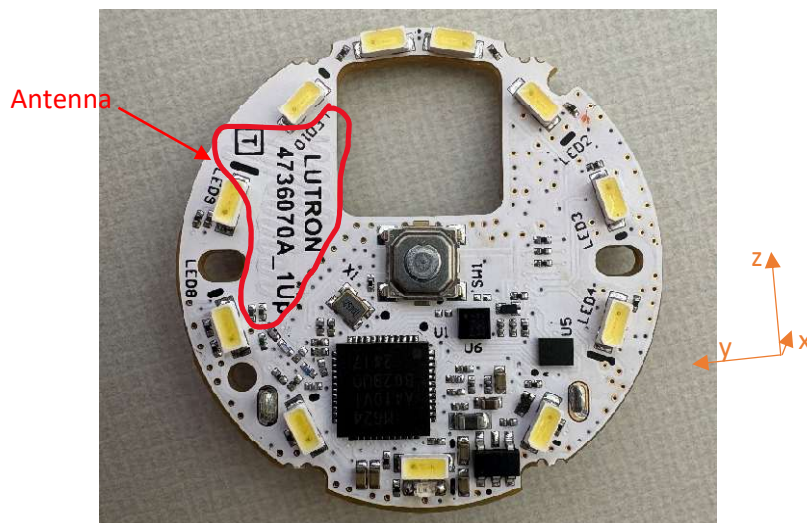


Figure 1: JPZ0160 Antenna

4. Peak Gain and Pattern

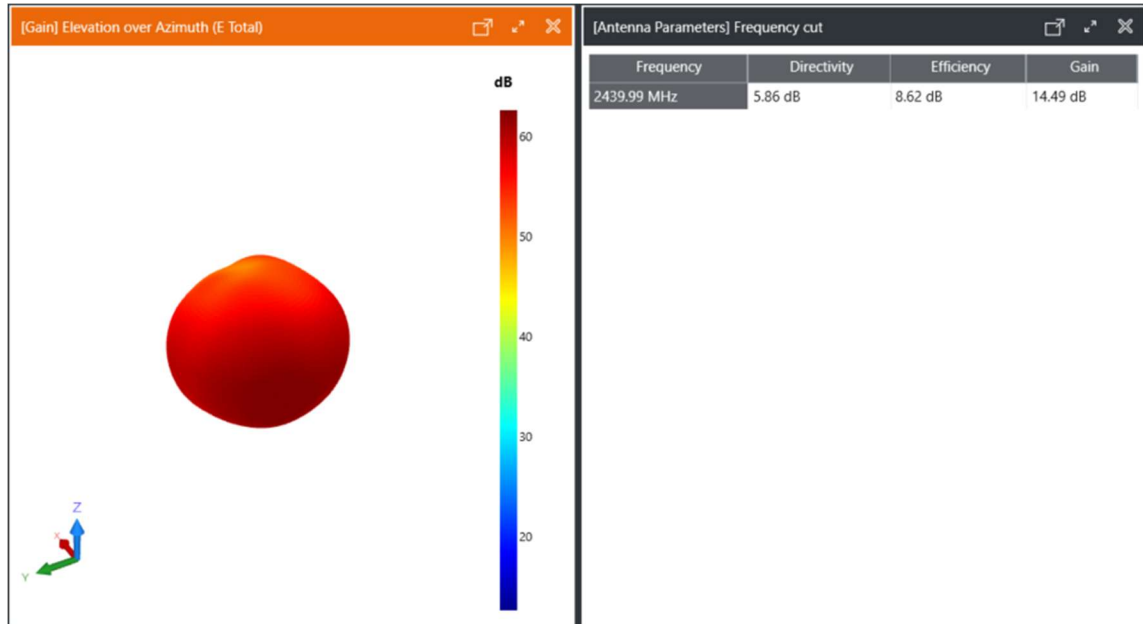


Figure 2: JPZ0160 Peak Gain, showing results for plastic wall-box with plastic faceplate

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

Peak Gain dBi = 14.49 dB – 9.54 dBm = 4.95 dBi

Peak Gain dBd = 14.49 dB – 9.54 dBm – 2.15 dB = 2.8 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	07/10/2023	07/10/2026

7. Test Setup Photograph

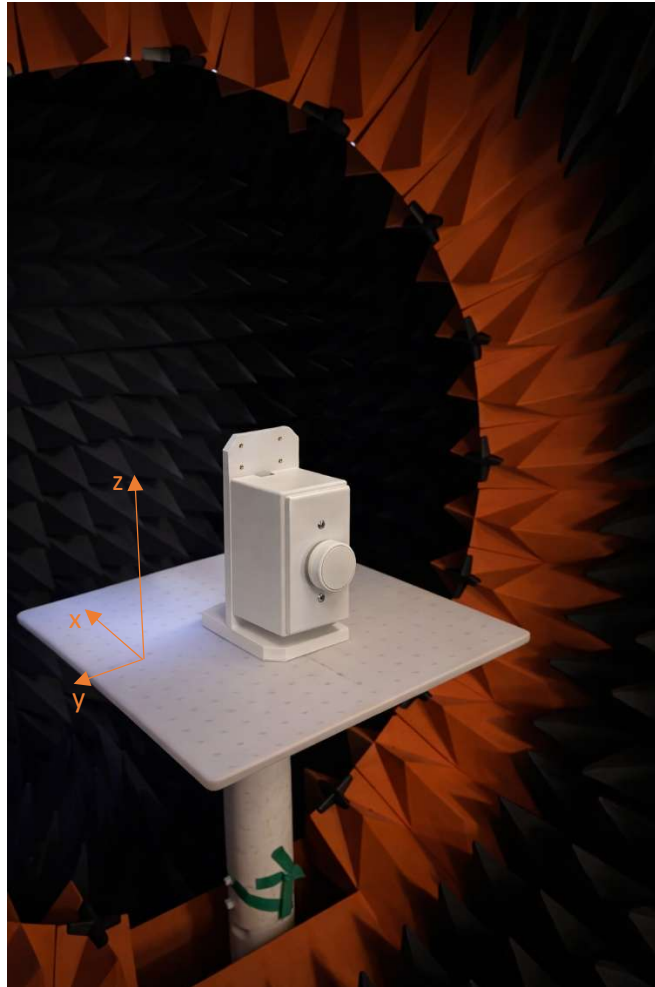


Figure 3: Antenna Gain Measurement Setup