

FCC: JPZ0155 | IC: 2851A-JPZ0155

## PIFA Antenna Specification

Manufacturer: Lutron Electronics Co., Inc.

### 1. Antenna construction

The JPZ0155/2851A-JPZ0155 antenna is a PIFA printed on the PCB. The antenna connection points are permanently attached to the DUT and cannot be modified or replaced by the user as they are printed on the circuit board inside the plastic enclosure.

### 2. Antenna Characteristics

No.	Item	Specification
1	Type	PIFA
2	Connection Type	Permanently Attached
3	Bandwidth	2402~2480 MHz
4	Peak Gain	+4.0 dBi

### 3. Antenna Picture

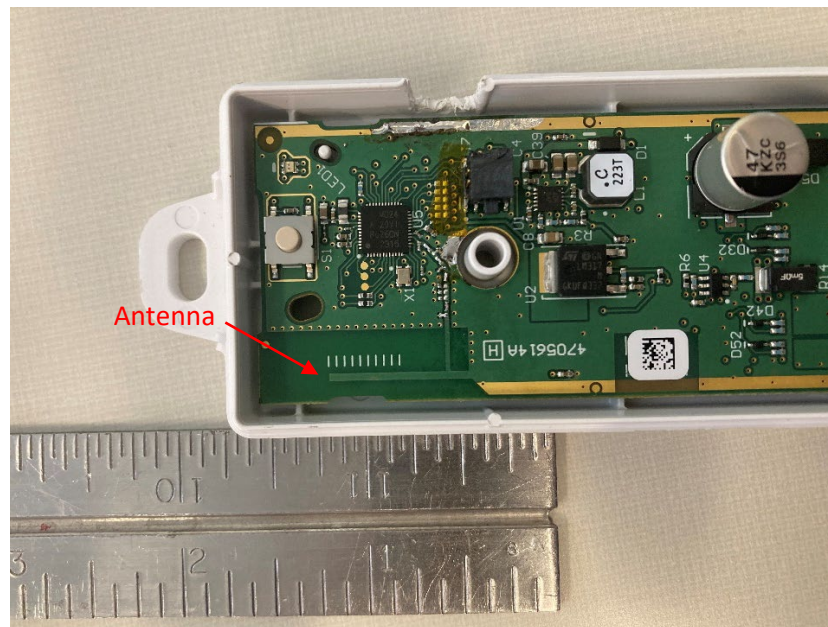


Figure 1: PIFA Antenna

## 4. Peak Gain and Pattern

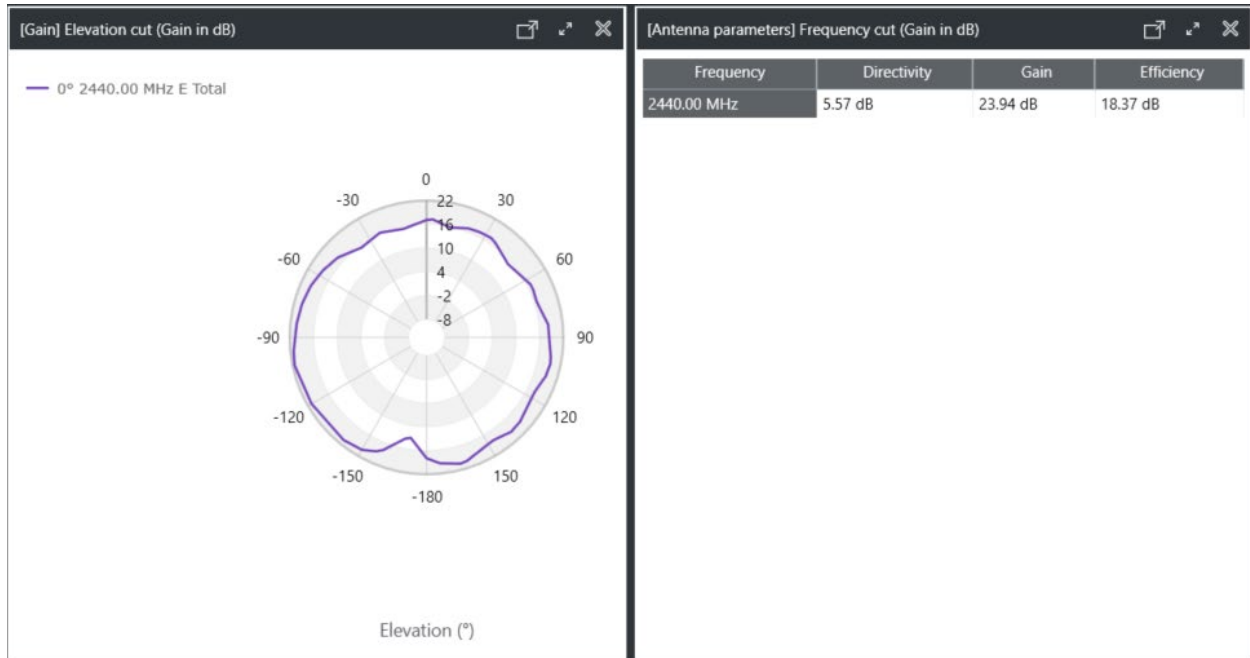


Figure 1: Peak Gain

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

$$\text{Peak Gain dBi} = 23.94\text{dB} - 19.94\text{dBm} = +4.0\text{dBi}$$

## 5. Test Site and Procedure

The antenna gain is measured at Lutron Electronics, using MVG Starlab model SL V2\_0.4-6GHz

## 6. Test Equipment List

Description	Make and Model	Calibrated	Calibration Due
Starlab Test Setup	Starlab SL V2_0.4-6GHz	6/26/2023	6/26/2024
RF Power Sensor	R&S NRPS8	7/18/2023	7/18/2025

## 7. Test Software

MVG Wave Studio

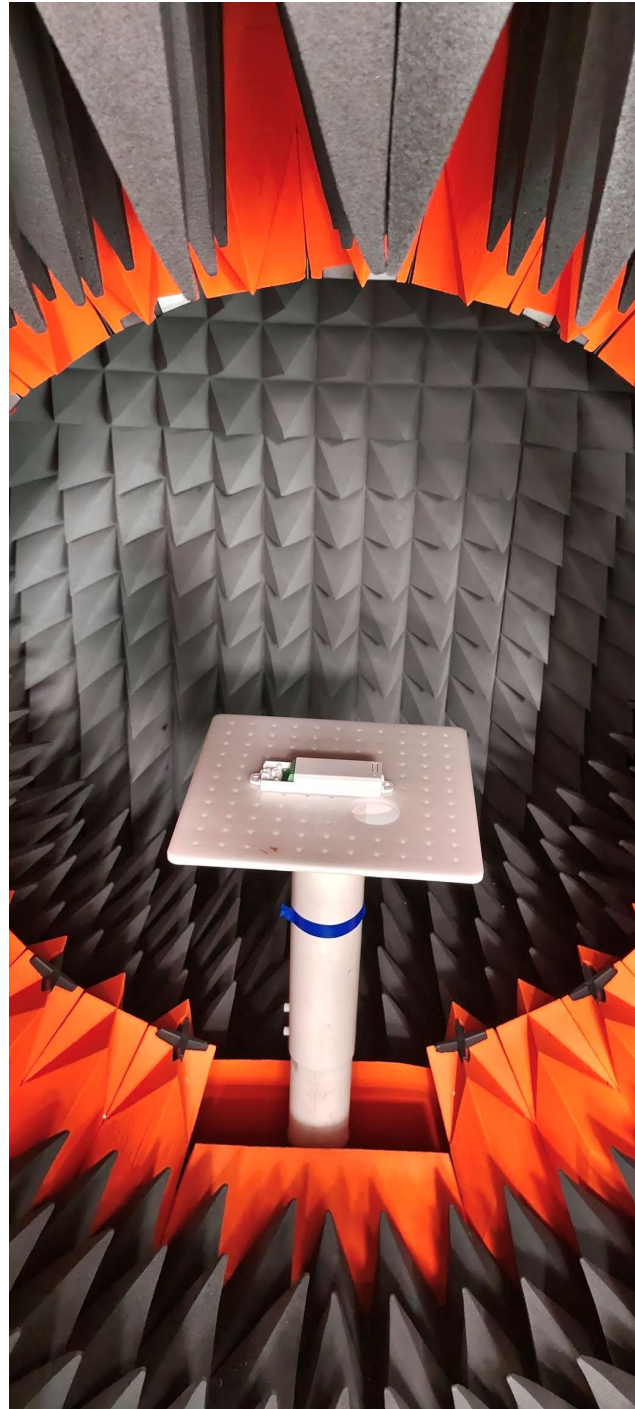
## 8. Test Personnel

Mark Tedrick

## 9. Test Date

2024-05-15

**10. Test Setup Photograph**



*Figure 2: Antenna Gain Measurement Setup*