

JPZ0150 Antenna Specification

Manufacturer: Lutron Electronics Co., Inc.

1. Antenna construction

The JPZ0150 antenna is an integral wire monopole. The antenna is connected to the PWB through a surface mount coaxial connector that is captured in place by the plastic enclosure and can only be accessed by disassembling the enclosure which is not required for normal operation or installation.

2. Antenna Characteristics

No.	Item	Specification
1	Type	Wire Monopole
2	Connection Type	Permanently Attached via Internal Connector
3	Bandwidth	2402~2480 MHz
4	Peak Gain	5.0 dBi

3. Antenna Picture

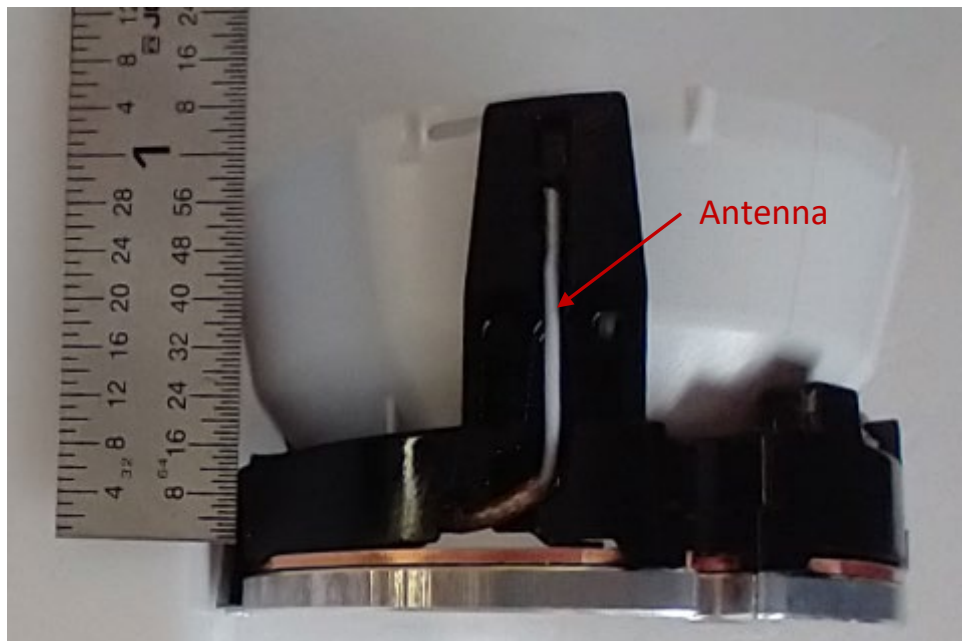


Figure 1: JPZ0150 Wire Monopole Antenna

4. Peak Gain and Pattern

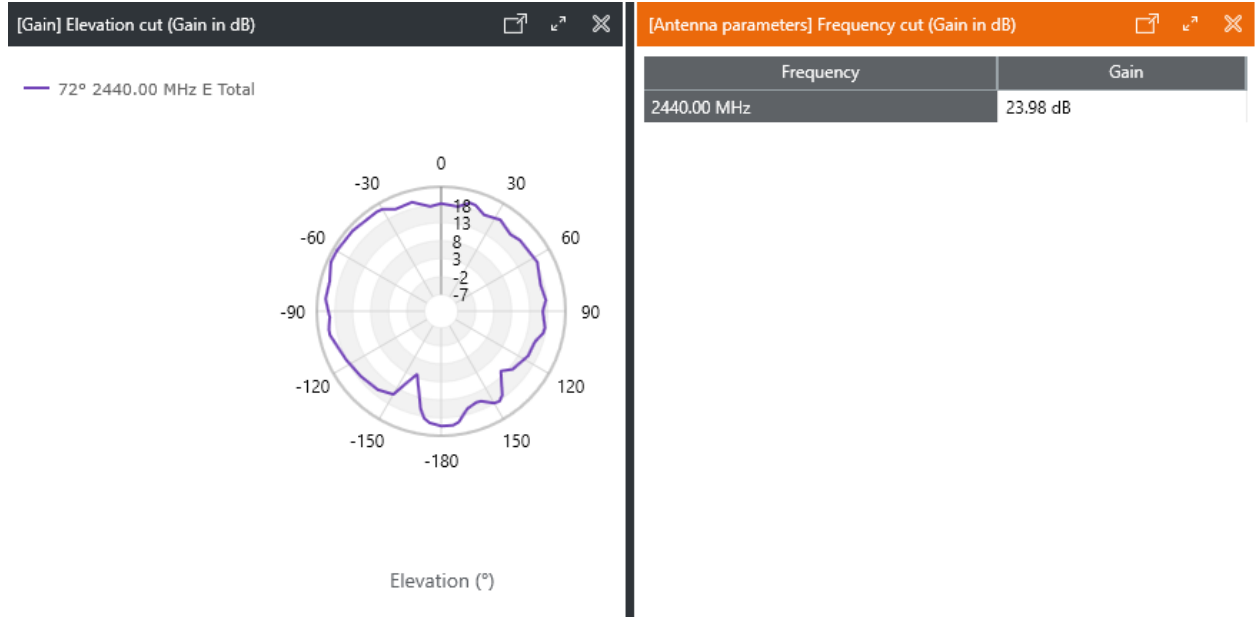


Figure 2: Peak Gain

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

Peak Gain dBi = 23.98dB -19.52dBm = +4.46dBi

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	12/22/2022	12/21/2023
RF Power Sensor	R&S NRPS8	7/18/2023	7/18/2025

7. Test Setup Photograph



Figure 3: JPZ0150 Antenna Gain Measurement Steup