JPZ0148 PIFA Antenna Specification

Manufacturer: Lutron Electronics Co., Inc.

Tested By: Lutron Employee #571336

1. Antenna construction

The JPZ0148 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	4.3 dBi

3. Antenna Picture

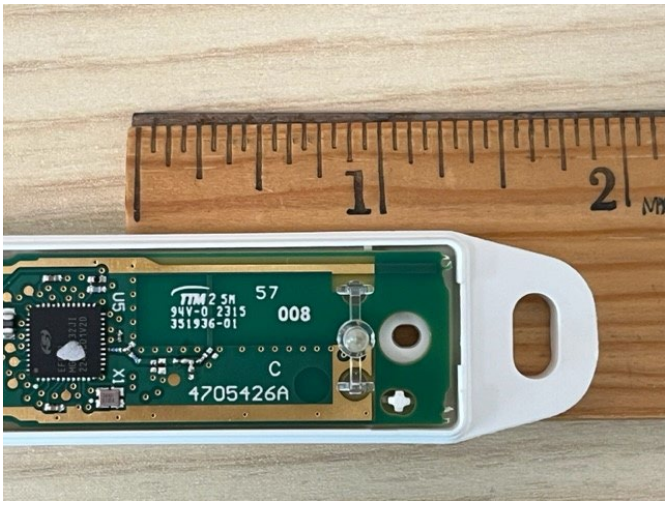

Figure 1: JPZ0148 PIFA Antenna

4. Peak Gain and Pattern

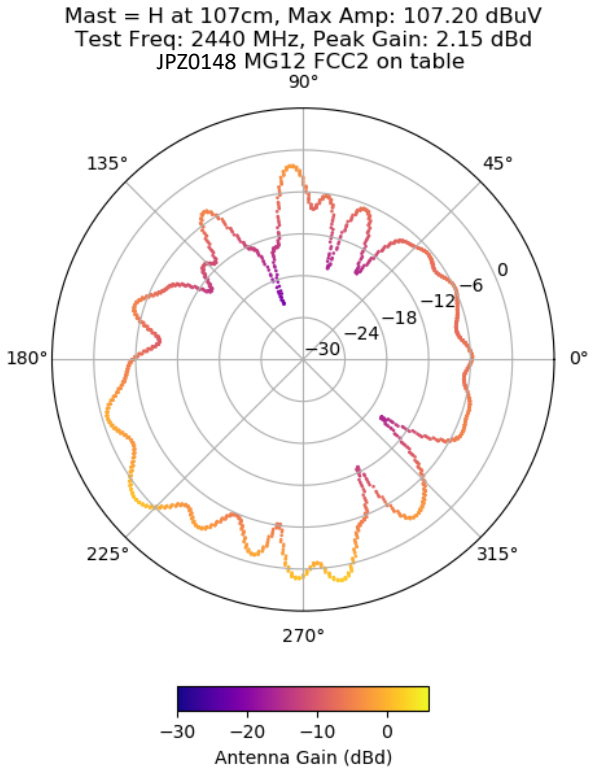

Figure 2: Peak Gain

Peak Gain dBi = 2.15 dBd + 2.15 dB = +4.3 dBi

5. Test Site and Procedure

The antenna gain is measured at Lutron Electronics, in a 3-meter anechoic chamber and referenced to a certified 2440MHz dipole antenna. Measurements taken 5/23/2023.

6. Equipment List

Description	Make and Model	Calibrated	Calibration Due
Receiver	Keysight N9010B	5/22/2023	5/22/2025
Test Antenna	AH Systems SAS-521-7	validated at time of test	
Reference Dipole	ETS Lindgren 3125-2450	validated at time of test	

7. Test Setup Photograph

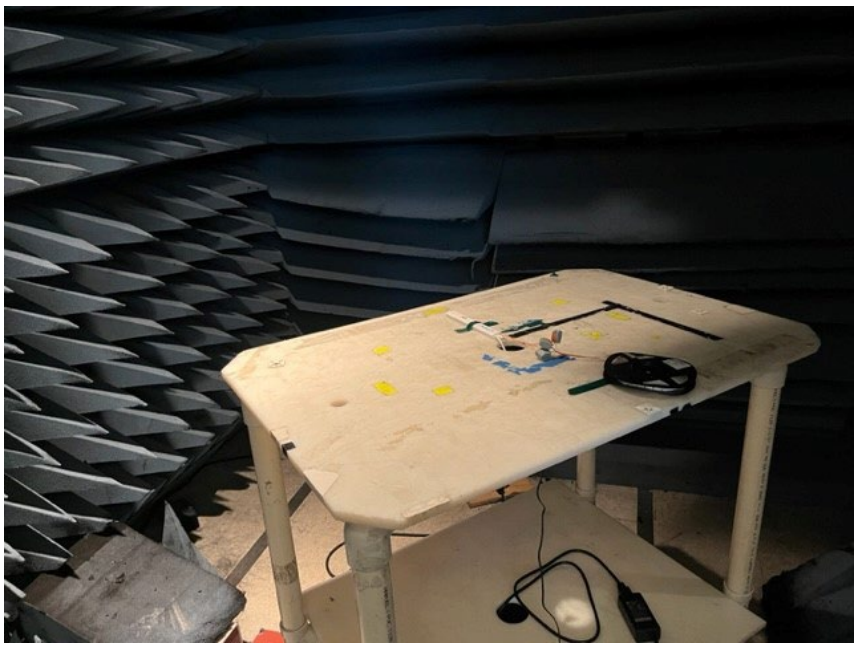

Figure 3: JPZ0148 Peak Gain Orientation