

# Antenna Gain and Pattern Measurement Report

**Model Name: PROSIXMINI3**

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*Prepared By*  
**RESIDEO TECHNOLOGIES INC.  
2 CORPORATE CENTER DRIVE  
MELVILLE, NY 11753, U.S.A.**



Test Report Revision History				
Revision	Prepared By	Reviewed and Approved By	Revision Detail	Release Date
A	Kuang Peng	Daisy Zheng	Original Release	Jul. 26 <sup>th</sup> , 2024

Approved and Released By:

*Daisy Zheng*

Daisy Zheng

Sr Hardware Engineering Supervisor  
RESIDEO TECHNOLOGIES INC.

Tested and Prepared By:

*Kuang Peng*

Kuang Peng

HW/RF ENGINEER  
RESIDEO TECHNOLOGIES INC.



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## 1. Test Methodology

The 3D Passive antenna pattern is performed using Two-Axis Dual-Polarization Pattern Measurement and set the step size for both axes to 15° and the axis measurement mode to stepped.

## 2. Test and Measurement Equipment

Description	Manufacturer	Model	Serial No.	Calibration Date
Vector Network Analyzer	Keysight	P5002A	MY58100491	6/27/2024
OTA Test Chamber	ETS-Lindgren	AMS8050		7/9/2024
OTA Test Software	ETS-Lindgren	EMQuest V1.16 Build 24230		

## 3. Device Under Test Information

- Model name: PROSIXMINI3
- Test Frequency (MHz): 2405, 2445, 2475.
- Antenna type: Metal PIFA antenna.

## 4. Result Summary

PROSIXMINI3 metal PIFA Antenna	Frequency		
	2405 MHz	2445 MHz	2475 MHz
TRP (dBm)	-3.56	-3.55	-3.17
EIRP (dBm)	0.63	0.69	0.94
Efficiency (dB)	-3.56	-3.55	-3.17
Efficiency (%)	44.01	44.12	48.19
Gain (dBi)	0.63	0.69	0.94

## 5. Plots

### 5.1 Antenna – 2405 MHz 3D Passive

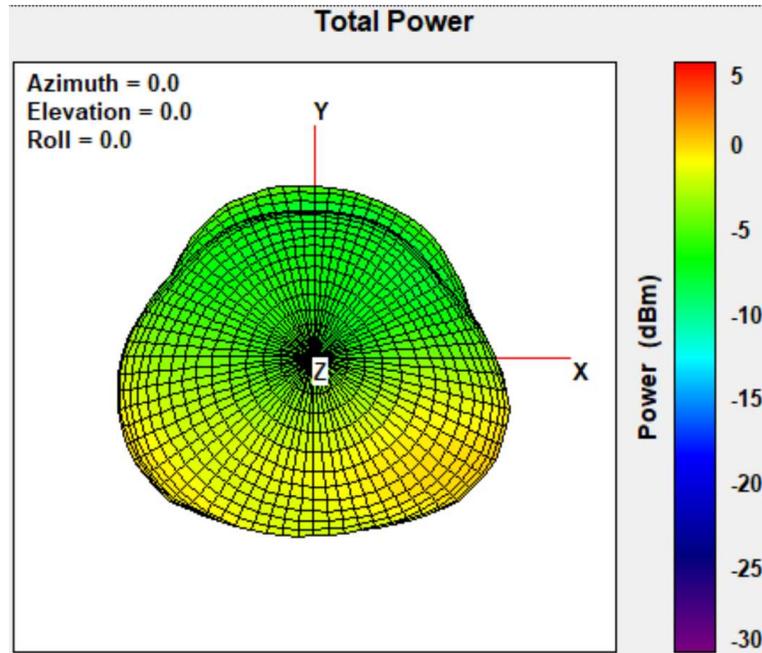


Figure 1. PROSIXMINI3 Antenna 2405 MHz Front View

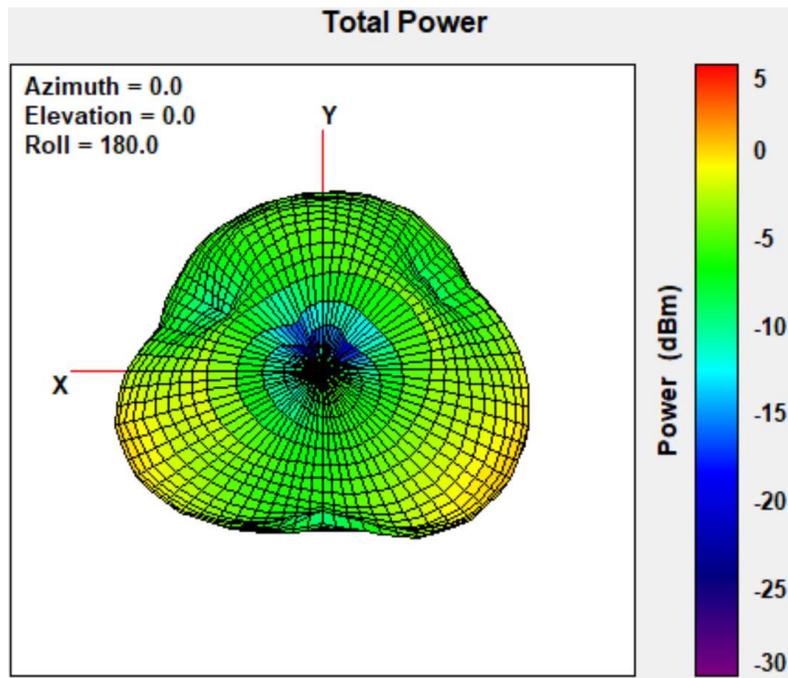


Figure 2. PROSIXMINI3 Antenna 2405 MHz Back View

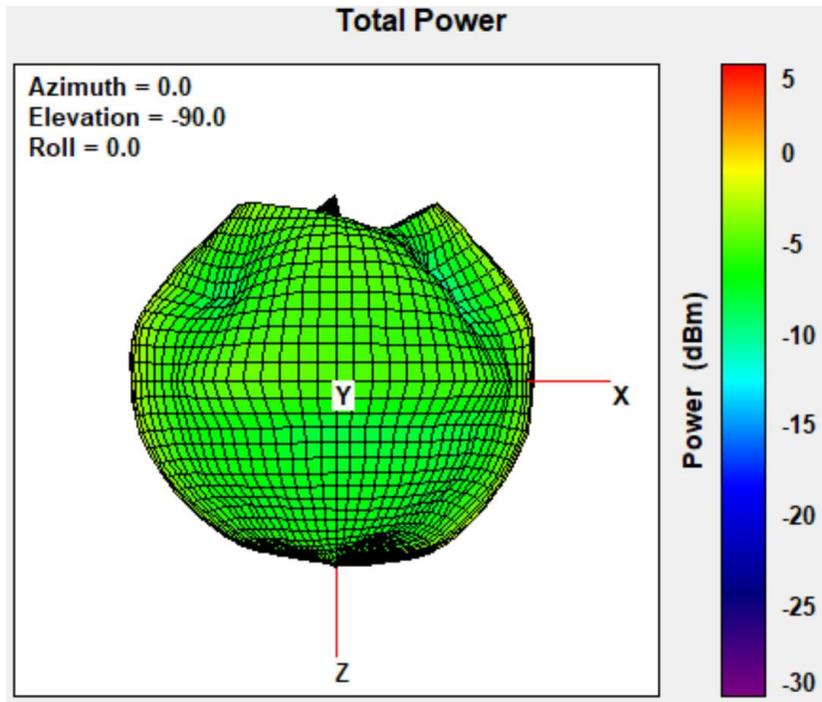


Figure 3. PROSIXMINI3 Antenna 2405 MHz Top View

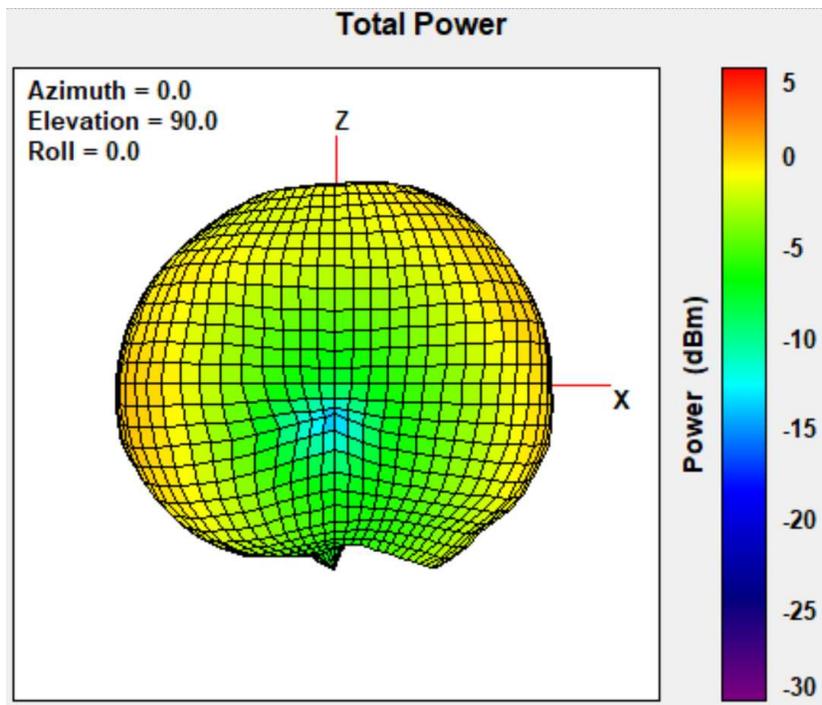


Figure 4 PROSIXMINI3 Antenna 2405 MHz Bottom View

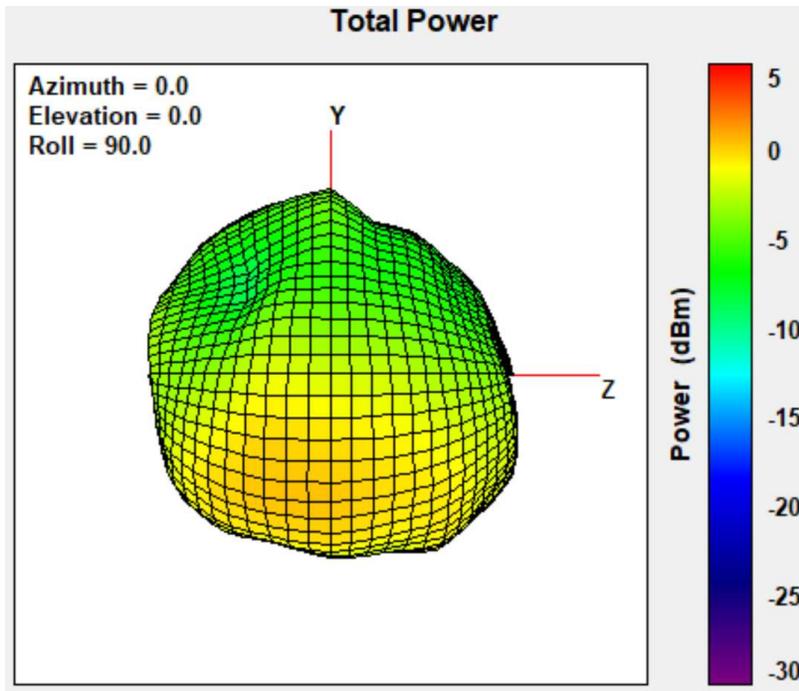


Figure 5. PROSIXMINI3 Antenna 2405 MHz Left Side View

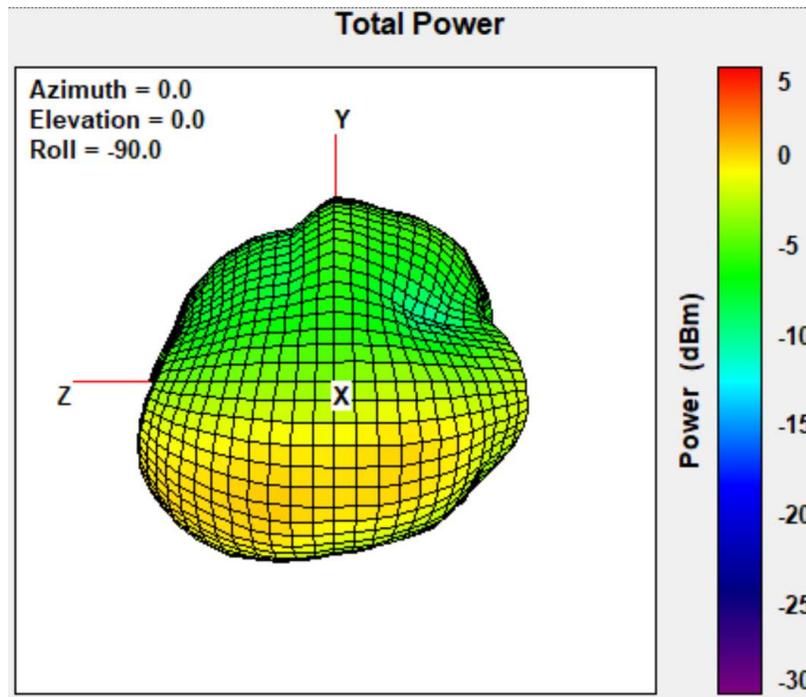


Figure 6. PROSIXMINI3 Antenna 2405 MHz Right Side View

## 5.2 Antenna – 2445 MHz 3D Passive

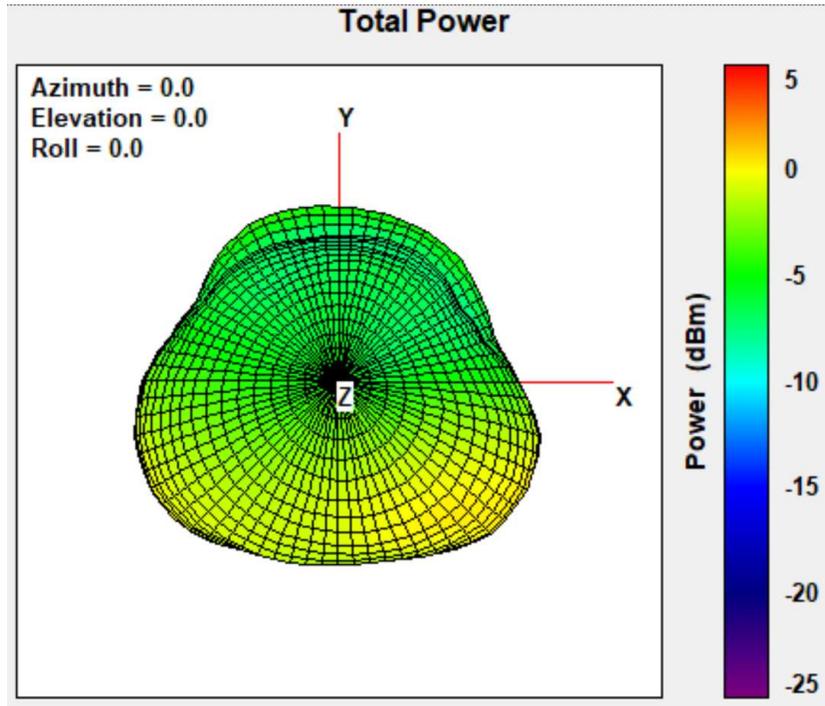


Figure 7. PROSIXMINI3 Antenna 2445 MHz Front View

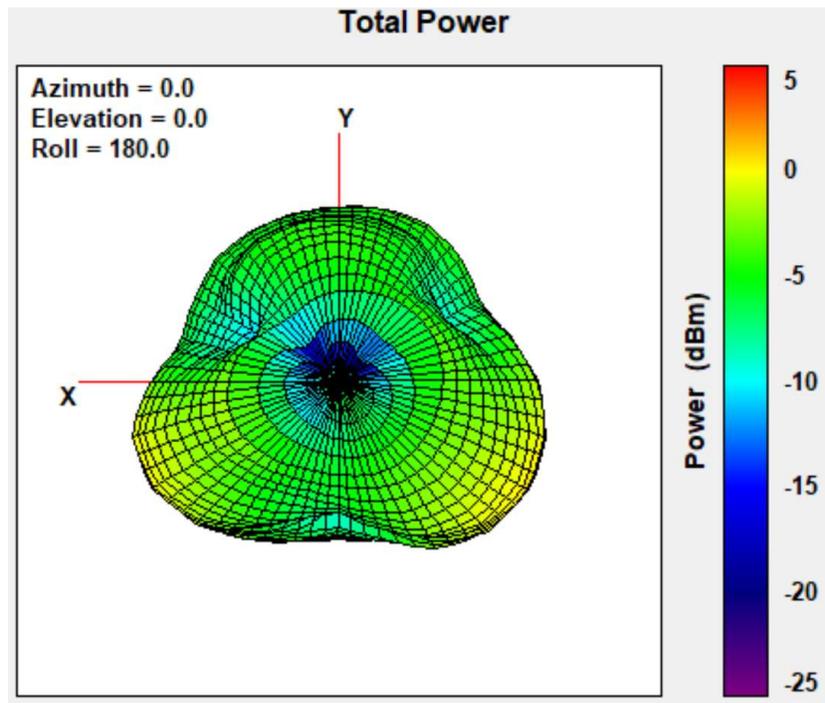


Figure 8. PROSIXMINI3 Antenna 2445 MHz Back View

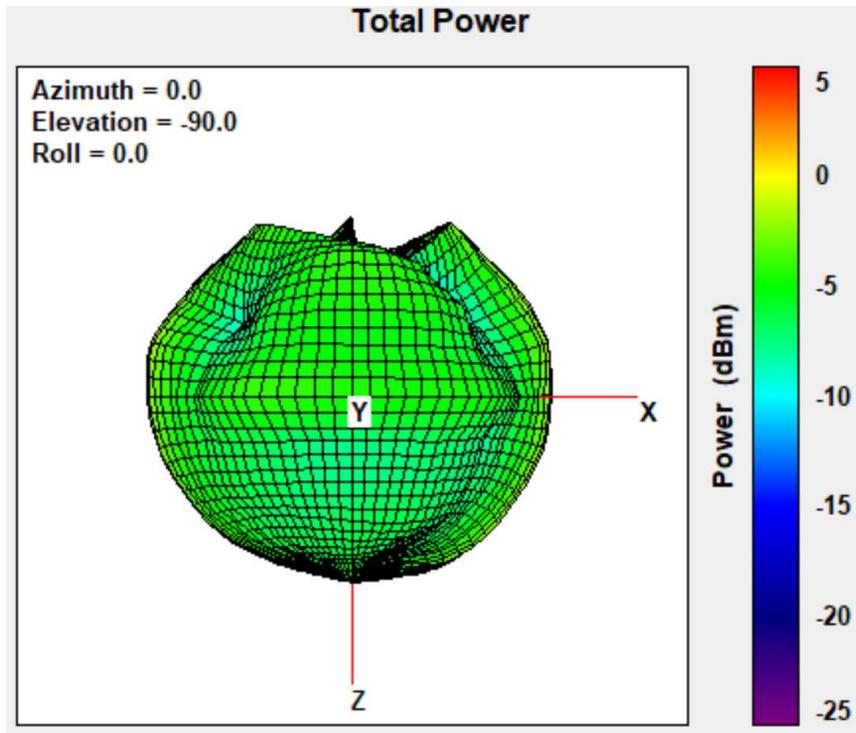


Figure 9. PROSIXMINI3 Antenna 2445 MHz Top View

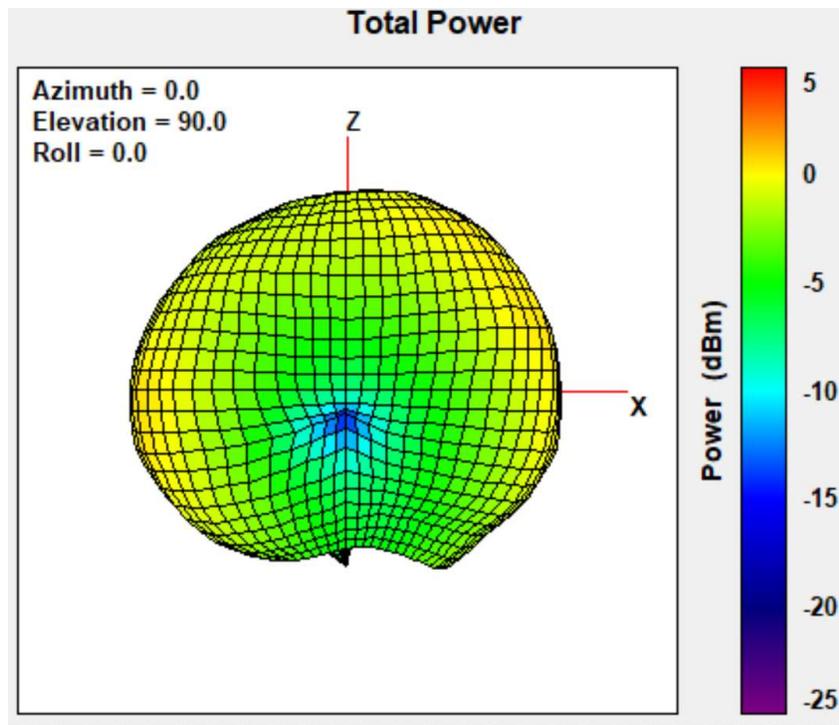


Figure 10. PROSIXMINI3 Antenna 2445 MHz Bottom View

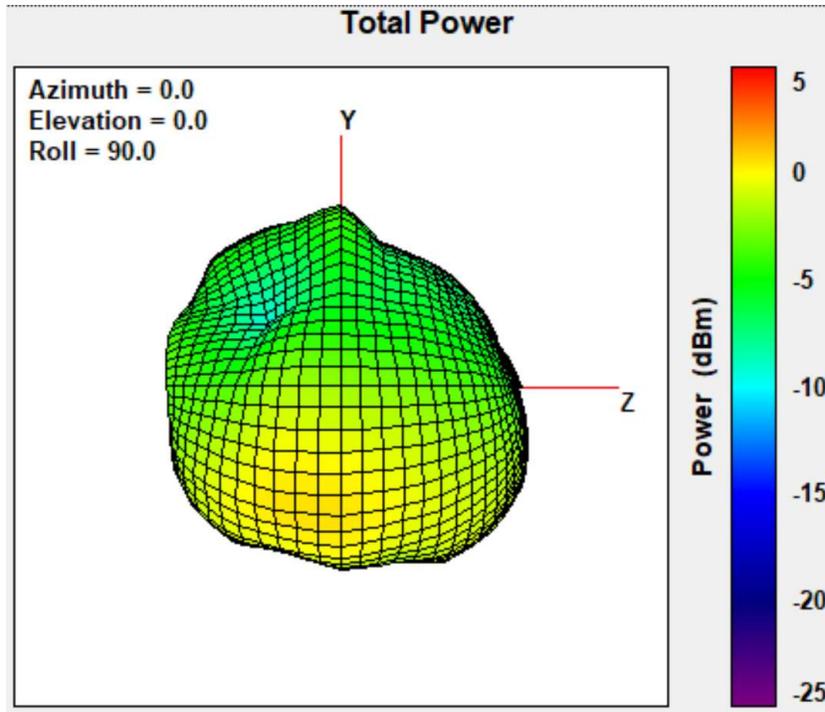


Figure 11. PROSIXMINI3 Antenna 2445 MHz Left View

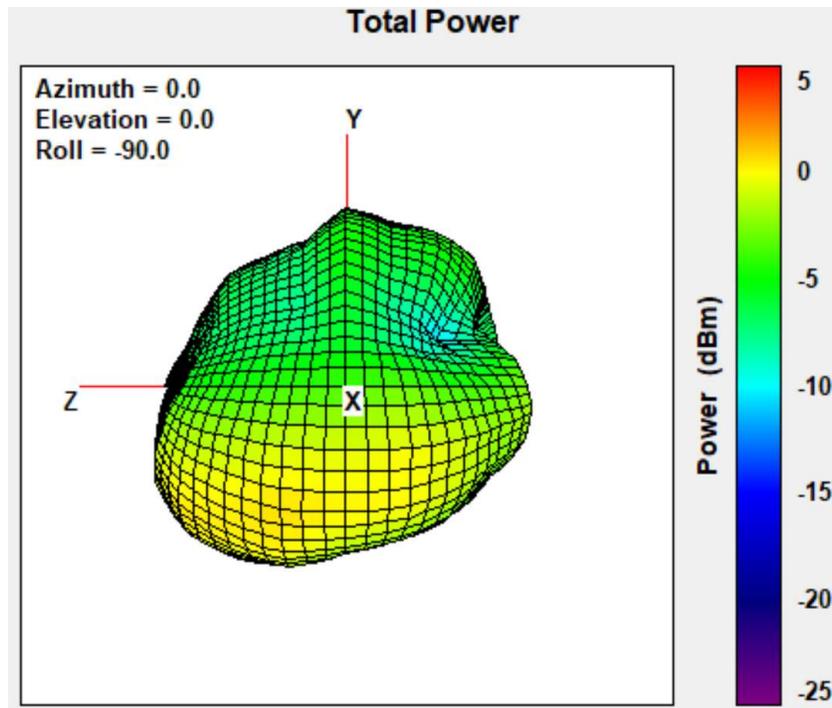


Figure 12. PROSIXMINI3 Antenna 2445 MHz Right View

### 5.3 Antenna – 2475 MHz 3D Passive

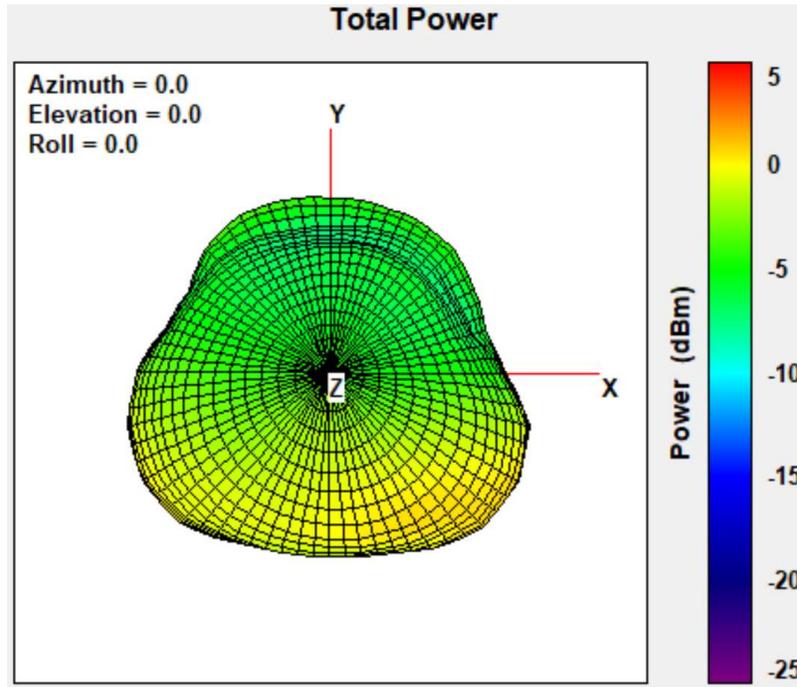


Figure 13. PROSIXMINI3 Antenna 2475 MHz Front View

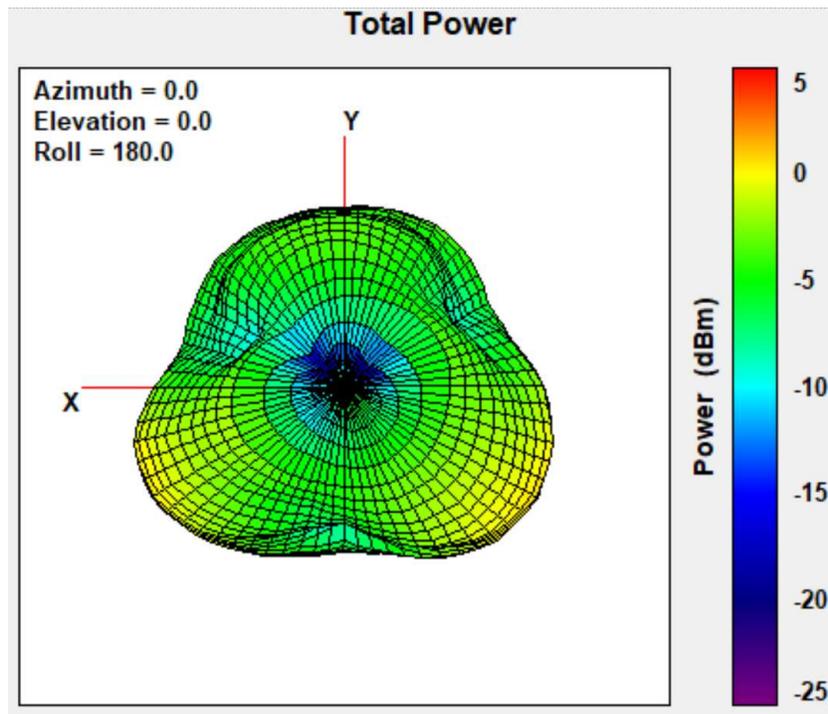


Figure 14. PROSIXMINI3 Antenna 2475 MHz Back View

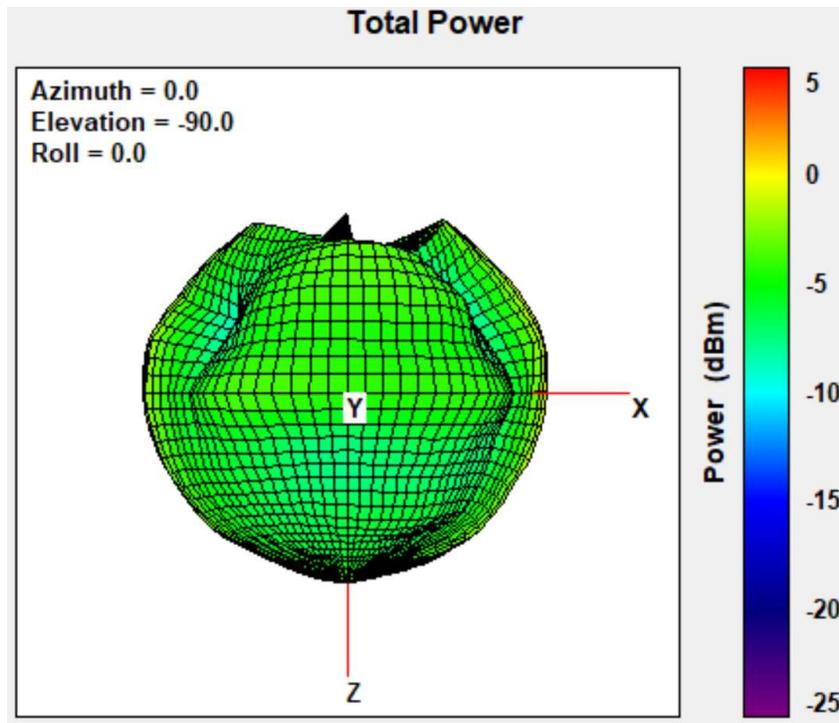


Figure 15. PROSIXMINI3 Antenna 2475 MHz Top View

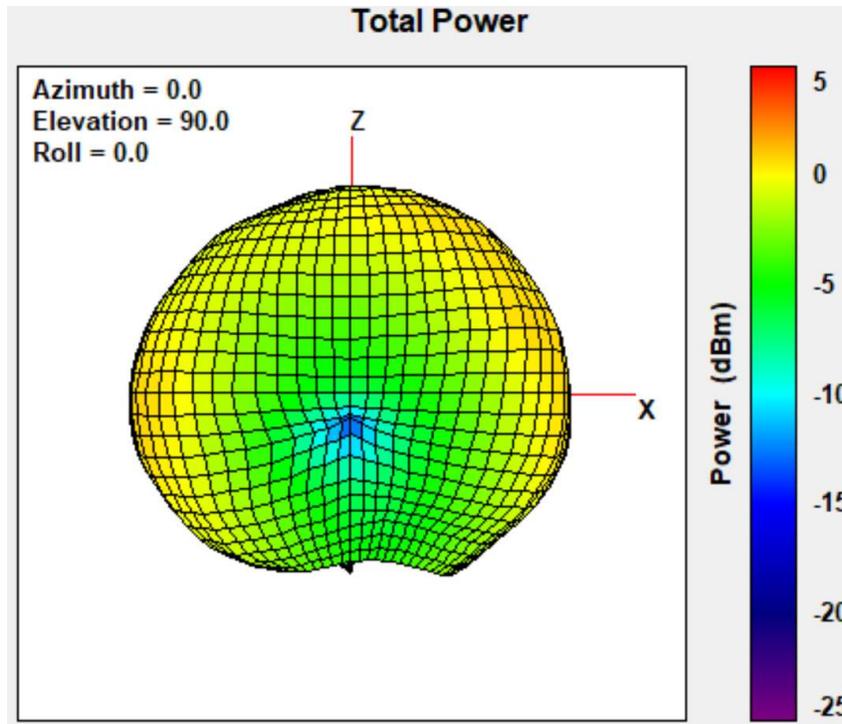


Figure 16. PROSIXMINI3 Antenna 2475 MHz Bottom View

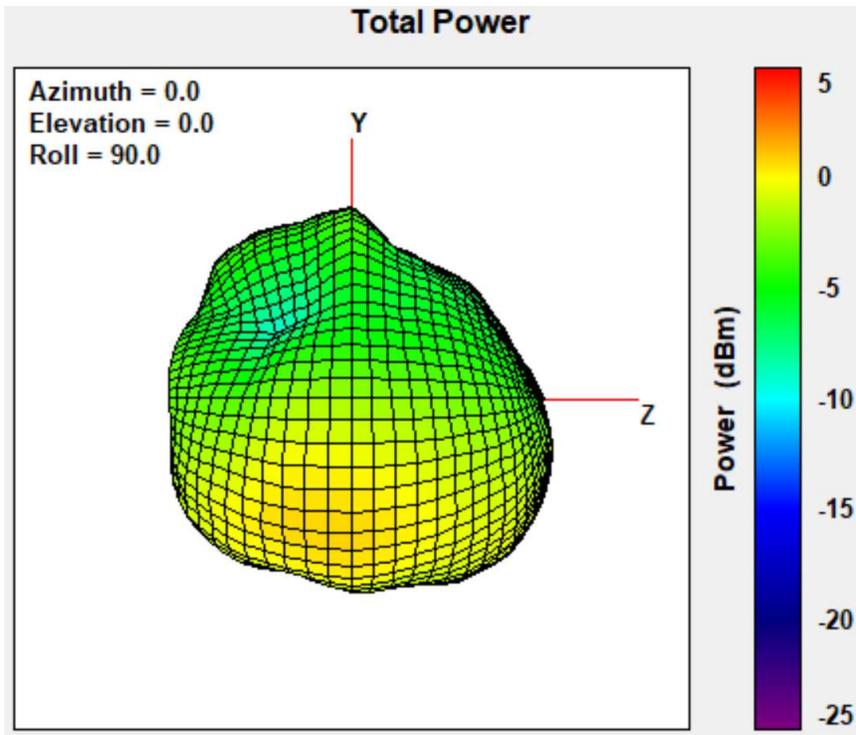


Figure 17. PROSIXMINI3 Antenna 2475 MHz Left View

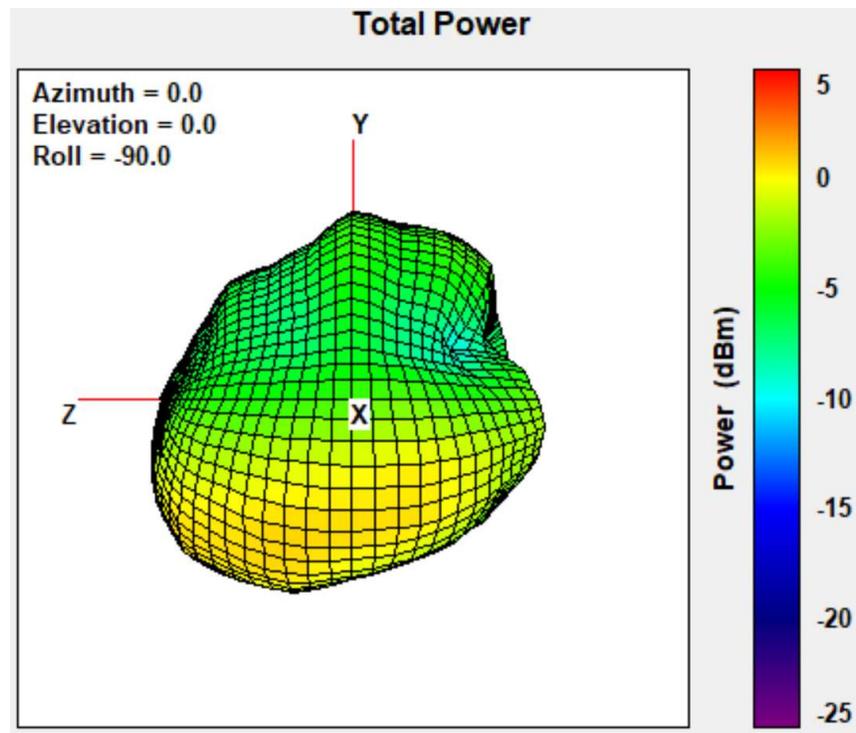


Figure 18. PROSIXMINI3 Antenna 2475 MHz Right View

## 6. Test Setup

