

Antenna Gain and Pattern Measurement Report

Model Name: TH6320ZW2007S2

DATE ISSUED: Aug 11, 2025.

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	Aug 11, 2025

Approved and Released By:

Daisy Zheng

Daisy Zheng

Sr Hardware Engineering Supervisor
RESIDEO TECHNOLOGIES INC.

Tested and Prepared By:

Kuang Peng

Kuang Peng

RF ENGINEER III
RESIDEO TECHNOLOGIES INC.

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1. Test Methodology

The 3D passive antenna pattern is measured using a two-axis dual-polarization pattern measurement setup, with the step size for both axes set to 15° and the axis measurement mode set to “stepped.”

2. Test and Measurement Equipment

Description	Manufacturer	Model	Serial No.	Calibration Date
Vector Network Analyzer	Anritsu	MS46522B	1903101	2/27/2025
OTA Test Chamber	ETS-Lindgren	AMS8050		4/12/2025
OTA Test Software	ETS-Lindgren	EMQuest V1.16 Build 24230		

3. Device Under Test Information

- Model name: TH6320ZW2007S2
- Test Frequency (MHz): 908.4
- Antenna type: Printed PCB antenna.

4. Result Summary

TH6320ZW2007, S2 PCB Antenna	Frequency
	908.4 MHz
TRP (dBm)	-3.77
EIRP (dBm)	-0.74
Efficiency (dB)	-3.37
Efficiency (%)	45.95
Gain (dBi)	-0.34

5. Plots

5.1 Antenna – 908.4 MHz 3D Passive

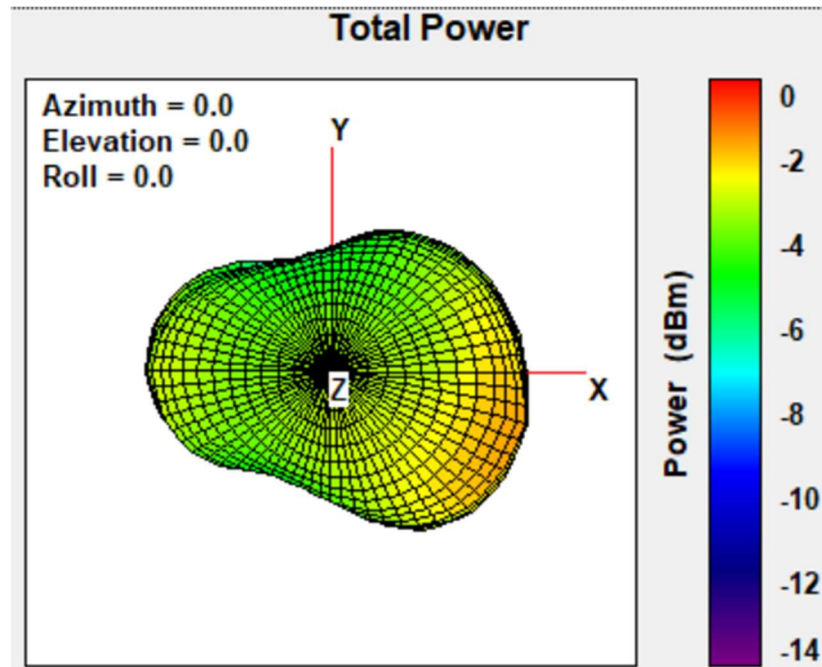


Figure 1. TH6320ZW2007S2 908.4 MHz Front View

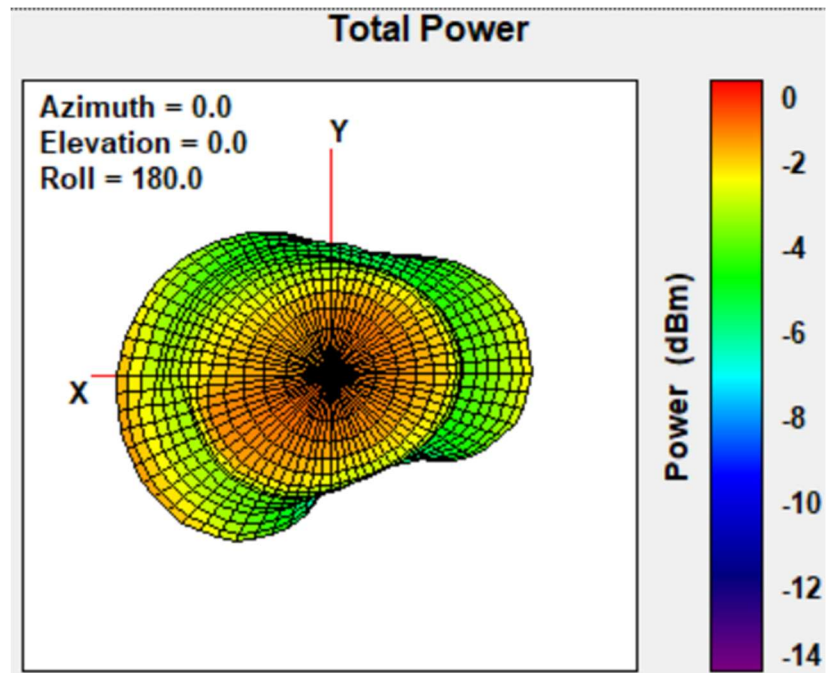


Figure 2. TH6320ZW2007S2 908.4 MHz Back View

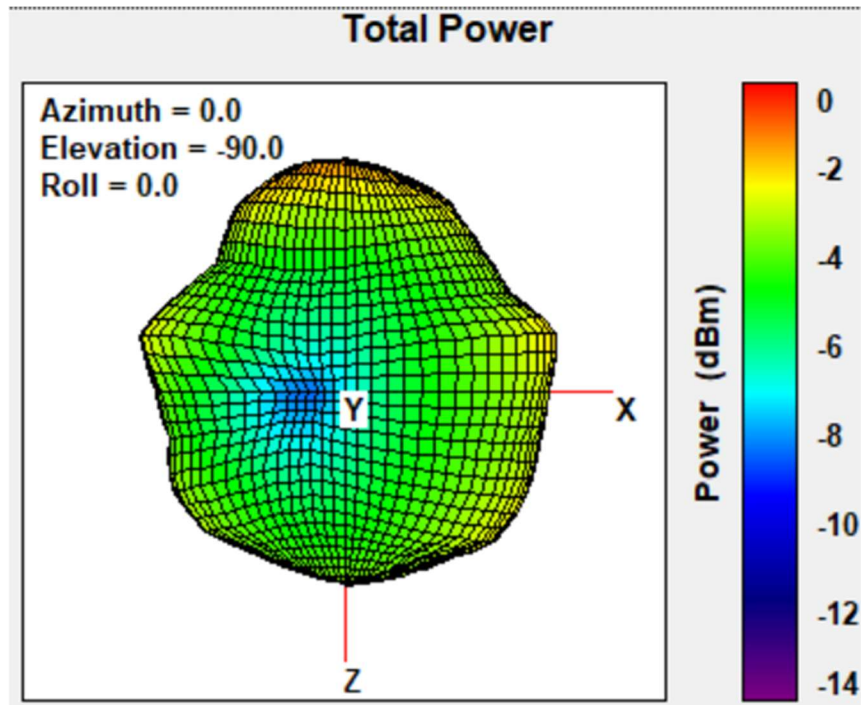


Figure 3. TH6320ZW2007S2 908.4 MHz Top View

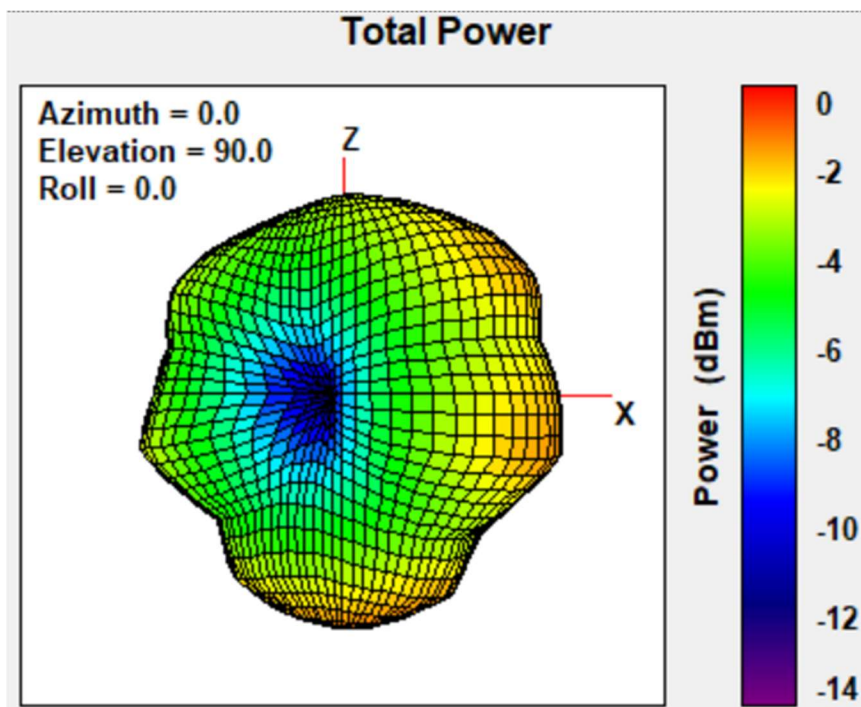


Figure 4 TH6320ZW2007S2 908.4 MHz Bottom View

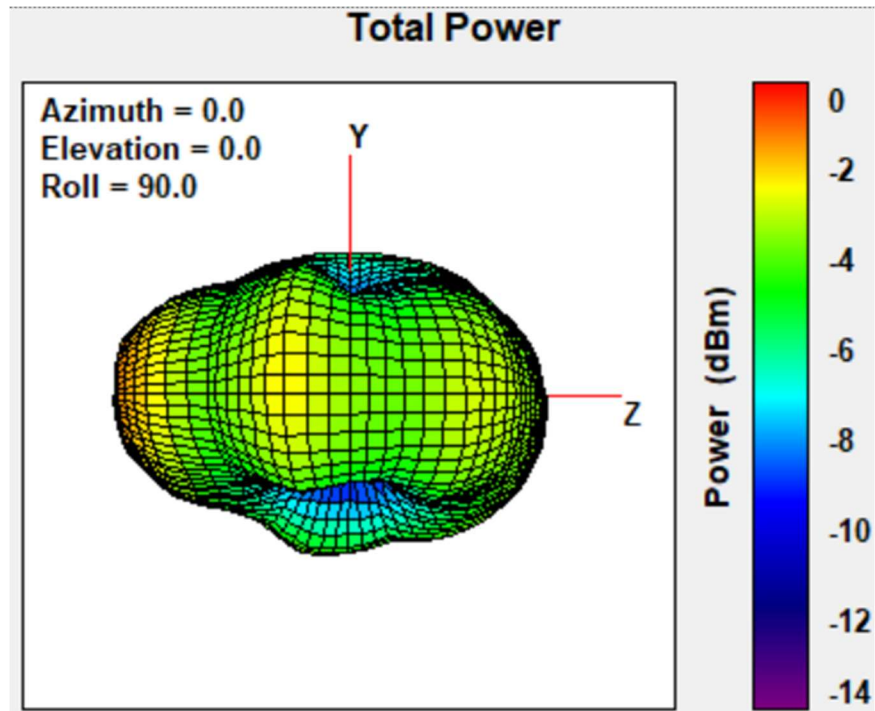


Figure 5. TH6320ZW2007S2 908.4 MHz Left Side View

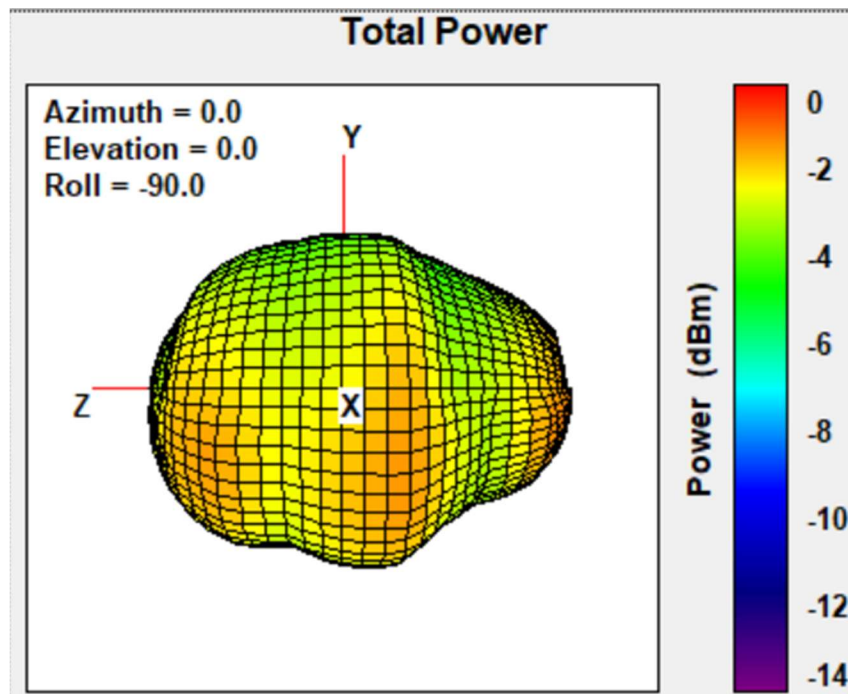


Figure 6. TH6320ZW2007S2 908.4 MHz Right Side View



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6. Test Setup

