

TEST REPORT

Reference No...... : WTX25X10284452W
Applicant..... : Firia Inc
Address..... : 1038 Research Blvd. Ste 240, Madison, AL, 35758
Manufacturer..... : Firia Inc
Address..... : 1038 Research Blvd. Ste 240, Madison, AL, 35758
Product Name..... : Firia Waypoint WP-1 Internal Antenna
Model No...... : Firia Waypoint WP-1 Internal Antenna
Standards..... : ANSI/ IEEE 149-2021
Date of Receipt sample..... : 2025-11-10
Date of Test..... : 2025-11-10 to 2025-11-12
Date of Issue..... : 2025-11-13
Test Report Form No...... : WTX_IEEE 149
Test Result..... : **Pass**

Remarks:

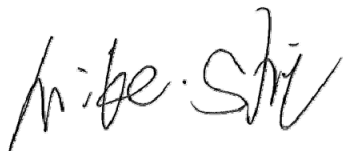
The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of approver.

Prepared By:

Waltek Testing Group (Shenzhen) Co., Ltd.

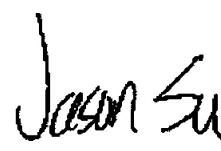
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Tested by:



Mike Shi/Project Engineer

Approved by:



Jason Su/Manager

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Report version

Version No.	Date of issue	Description
Rev.00	2025-11-13	Original
/	/	/

2. SUMMARY OF TEST RESULTS

Standards	Description of Test Item	Result
ANSI/ IEEE 149-2021	IEEE Recommended Practice for Antenna Measurements	Compliant

N/A: not applicable

3. Antenna Test Configurations

3.1 Test Location

Name:	Shenzhen Morlab Communications Technology Co.,Ltd.
Address:	FL.1-3, Building A, FeiYang Science Park, No.8 LongChang Road, Block67, BaoAn District, ShenZhen, GuangDong Province, P.R. China

3.1 Test Environments

Environments Parameter	Temperature	Voltage	Humidit
NTNV	25° C	--	50%

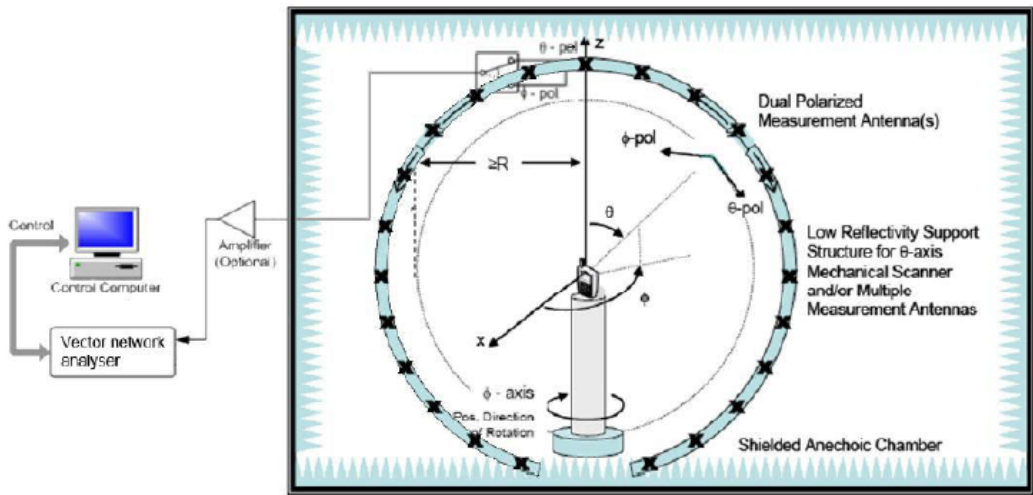
3.2 Test Equipment List

Description	Manufacturer	Model	Serial Number	Cal. Date	Due. Date
Anechoic Chamber	ETS	AMS8923	Q2225	2023-06-09	2028-06-08
RF Switch	ETS	EMCenter	251211	/	/
Vector network analyzer	R&S	ZNB8	101413	2025-07-15	2026-07-14

3.3 Measurement Uncertainty

The uncertainty is calculated using the methods suggested in the“Guide to the Expression of Uncertainty in Measurement” (GUM) published by ISO. When the test result is a critical value,we will use the measurement uncertainty give the judgment result based on the 95%Confidence intervals.

3.4 Test Setup

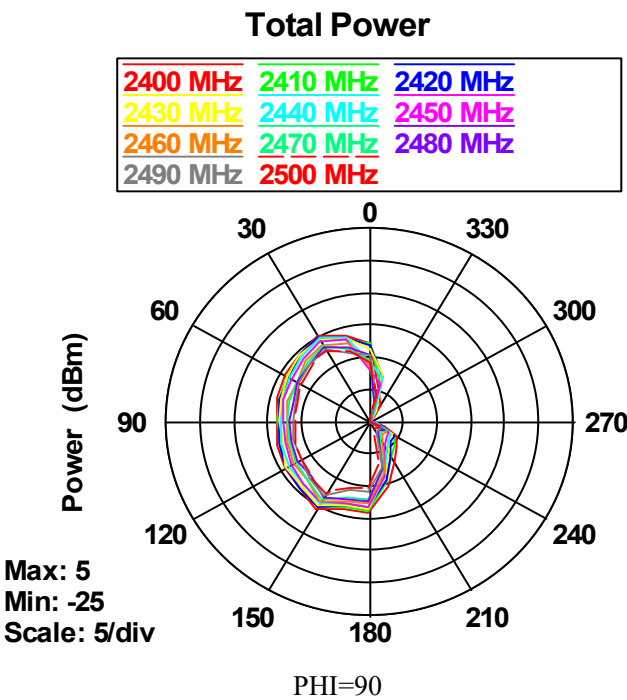
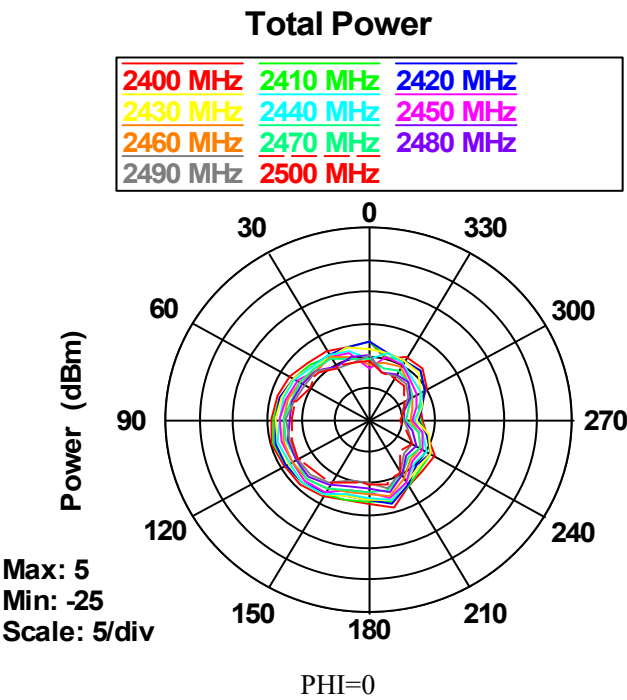


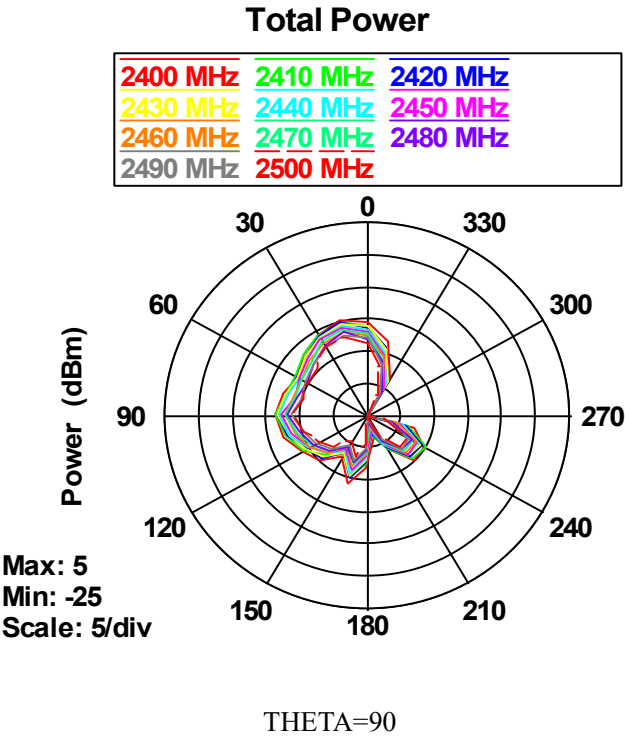
4. Antenna Test Result

4.1 Gain and Efficiency

Frequency (MHz)	Efficiency (%)	Gain(dBi)
2400	4.46	-9.32
2410	4.08	-9.55
2420	4.01	-9.70
2430	3.90	-9.99
2440	3.72	-9.94
2450	3.39	-10.37
2460	3.11	-10.71
2470	2.89	-10.93
2480	2.69	-11.31
2490	2.50	-11.45
2500	2.32	-12.03

4.2 Radiation Pattern 2D View





4.3 Radiation Pattern 3D View

2440

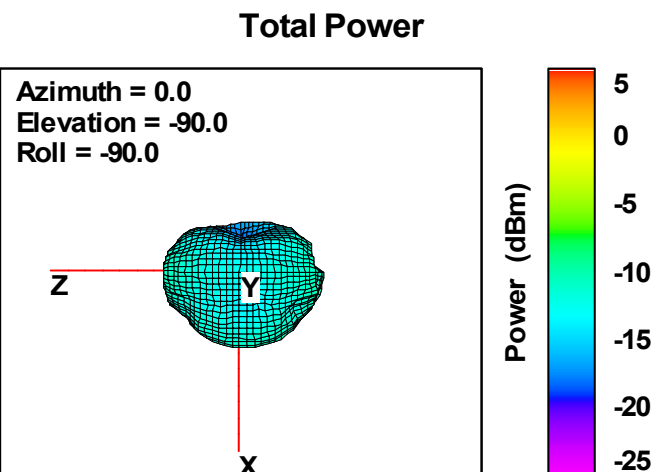
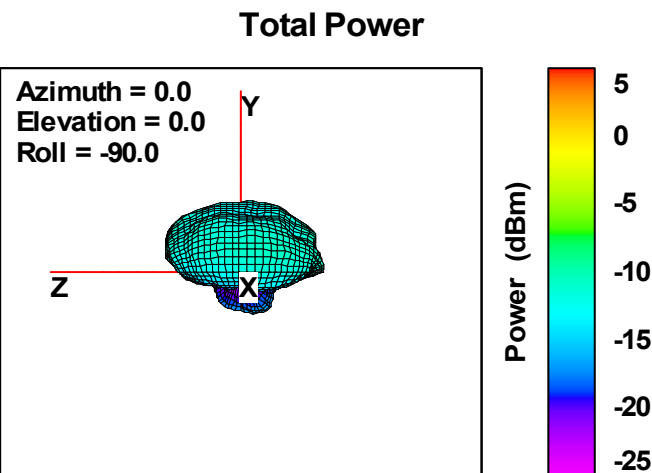
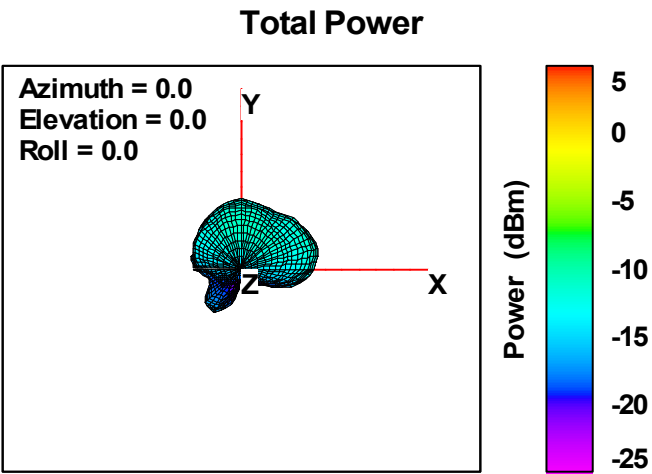


EXHIBIT 1 - EUT PHOTOGRAPHS

EUT View 1

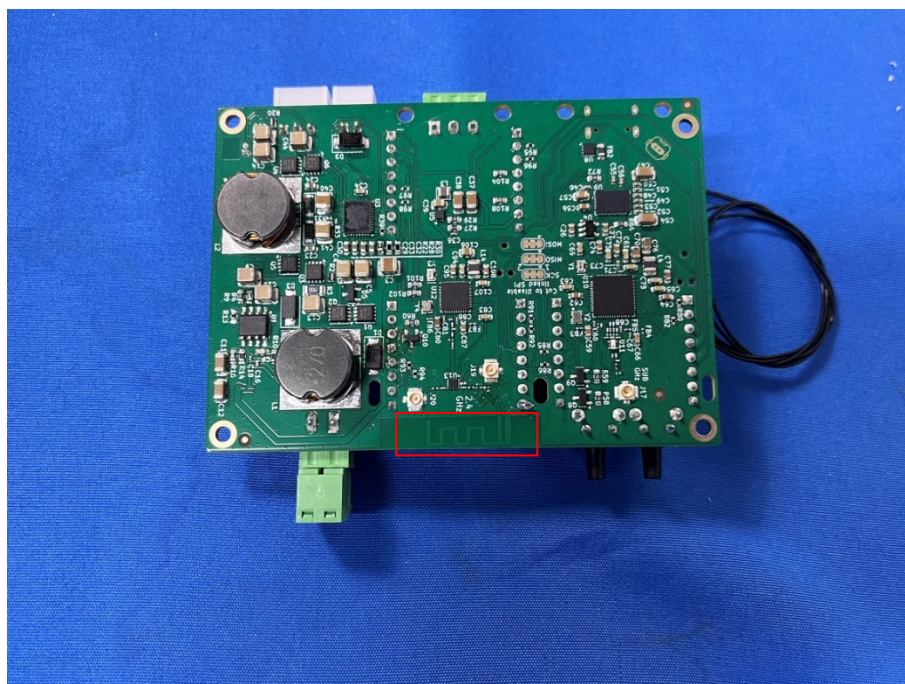
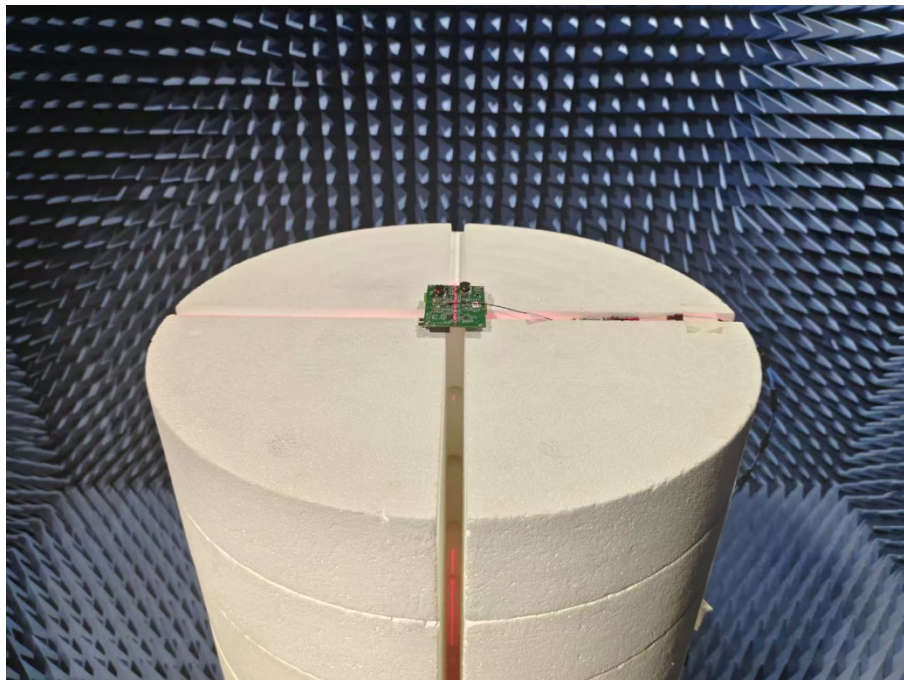


EXHIBIT 2 - TEST SETUP PHOTOGRAPHS

OTA Test View 1:



***** END OF REPORT *****