

Antenna Passive TEST REPORT

Applicant	:	Omni Power Technology, Inc.
Address	:	5055 Wilshire Blvd. Ste 835 Los Angeles, CA 90036 US USA
Equipment under Test	:	PORTABLE POWER BANK
Model No.	:	Power 20+, Omni 20+
Trade Mark	:	N/A
Manufacturer	:	Omni Power Technology, Inc.
Address	:	5055 Wilshire Blvd. Ste 835 Los Angeles, CA 90036 US USA
Report No.	:	LS-R25121605-3A01
Issue Date	:	Jan. 09, 2026

LabSure Testing Services (Tianjin) Co., Ltd.

Statement

1. This report is invalid without the “company’s Inspection & Testing Special Seal” or “Report Special Seal”.
2. This report is invalid if altered.
3. This report is responsible for the conformance testing of sample(s) received.
4. This report shall not be reproduced, without the written approval of test laboratory. The copy of the report not stamped again with the inspection and testing special seal is invalid.
5. Item with “☆” was subcontracted to other laboratories.
6. The report without CMA mark indicated that either test item(s) not accredited by CMA or test item(s) accredited by CMA but the report is only used for development or quality control which purposes within the company that has no effect on social proof.
7. Any objections must be raised to our company within 15 days on receiving the report, overdue will not be accepted.
8. The sample(s) must be collected within three months, overdue will be dealt with by our company. Ensure that discarded medical device samples are prevented from re-entering the distribution chain or being used.
9. The report is invalid without the signature of editor, reviewer, approver.
10. For any test result without a specified unit, it is the same as that of the standard clause requirement.

Test Institution: LabSure Testing Services (Tianjin) Co., Ltd.

Address: Building D-1, No. 19, Weisi Road, Microelectronics Industrial Park Development Area, Tianjin, China.

Website: www.lab-sure.com

Test Institution Address 1 (Tianjin Site): Building D-1, No.19, Weisi Road, Microelectronics Industrial Park, Development Area, Tianjin, China

Test Institution Address 2 (Suzhou Site): Phase 2, No.16, Runsheng Road, Suzhou Industrial Park, Suzhou, Jiangsu, China

Test Institution Address 3 (Tianjin OTA site): 2-1-805-1, Zone 1, Fubao Industrial Park, No.1, Fubao Road, Zhangjiawo, Xiqing District, Tianjin, China

Tel & Fax: 022-58038033

EUT Name	PORTABLE POWER BANK	Model No.	Power 20+, Omni 20+
Serial No.	N/A	EUT Class	N/A
Sample Quantity	1	Sample No.	Y25121605-03
Sample Batch / Batch No.	N/A	Trade Mark	N/A
Sample Receiving Method	Received from Applicant	Test Type	Commissioned Test
Date of Receipt	Jan. 06, 2026	Date of Test	Jan. 08, 2026
Test Address	2-1-805-1, Zone 1, Fubao Industrial Park, No.1, Fubao Road, Zhangjiawo, Xiqing District, Tianjin, China		
Applicant	Omni Power Technology, Inc.		
Address	5055 Wilshire Blvd. Ste 835 Los Angeles, CA 90036 US USA		
Manufacturer	Omni Power Technology, Inc.		
Address	5055 Wilshire Blvd. Ste 835 Los Angeles, CA 90036 US USA		
Test Item	1 Electric performance		
Reference Standard	clients' requirement		
Test Results	This test only provides test data results and does not make judgments Issue Date: Jan. 09, 2026		
Note	The "N/A" is the abbreviation of not applicable. The "--" indicate blank.		
Prepared by: Novak Wei Jan. 09, 2026		Reviewed by: Ethan Bao Ethan Bao Jan. 09, 2026	Approved By: Aaron Zhang Aaron Zhang Jan. 09, 2026

COMMENT

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Revision History

Rev.	Revisions	Issue Date	Revised By
---	Initial issue	Jan. 09, 2026	

1. General TEST Information

1.1 Description of EUT

EUT Description	:	PORTABLE POWER BANK
Model Number	:	Power 20+, Omni 20+
Frequency Band	:	2400MHz-2500MHz
Power Supply	:	N/A
Antenna Type	:	PCB Antenna
Sample No	:	Y25121605-03
Note	:	N/A

1.2 Accessories of EUT

Description of Accessories	Manufacturer	Model number	Description	Remark
N/A	N/A	N/A	N/A	N/A

1.3 Assistant equipment used for test

Description of Accessories	Manufacturer	Model number	Description	Remark
N/A	N/A	N/A	N/A	N/A

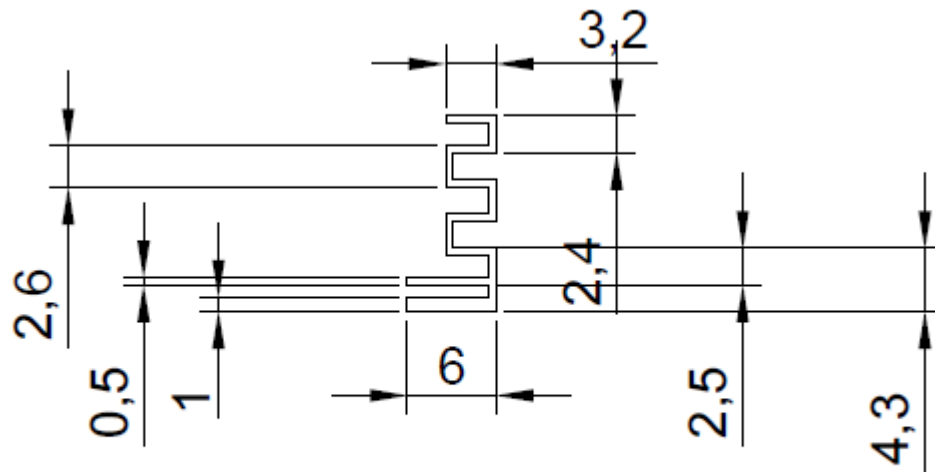
1.4 Block diagram of EUT configuration for test



1.5 Measurement uncertainty

Test Item	uncertainty
Near-field gain measurement	0.44 dB
Near-field pattern measurement	0.44 dB
Note: This uncertainty indicates that the extended uncertainty confidence interval is about 95% and the corresponding inclusion factor k=2 is obtained.	

1.6 Antenna Parameter



unit:mm

1.7 Test laboratory

LabSure Testing Services (Tianjin) Co., Ltd.

Address: Building D-1, No. 19, Weisi Road, Microelectronics Industrial Park Development Area, Tianjin, China.

Tel: +86-22-58038033, www.lab-sure.com, E-mail: labsure@lab-sure.com

NVLAP (National Voluntary Laboratory Accreditation Program) CODE: 500036-0

CNAS (China National Accreditation Service for Conformity Assessment) CODE: L13402

FCC Designation Number: CN5004; FCC Test Firm Registration Number: 368676

ISED (Innovation, Science and Economic Development Canada) Company Number: 27768

Conformity Assessment Body Identifier: CN0125

VCCI Facility Registration Number: C-20089, T-20093, R-20125, G-20122

2. Electric performance measurement

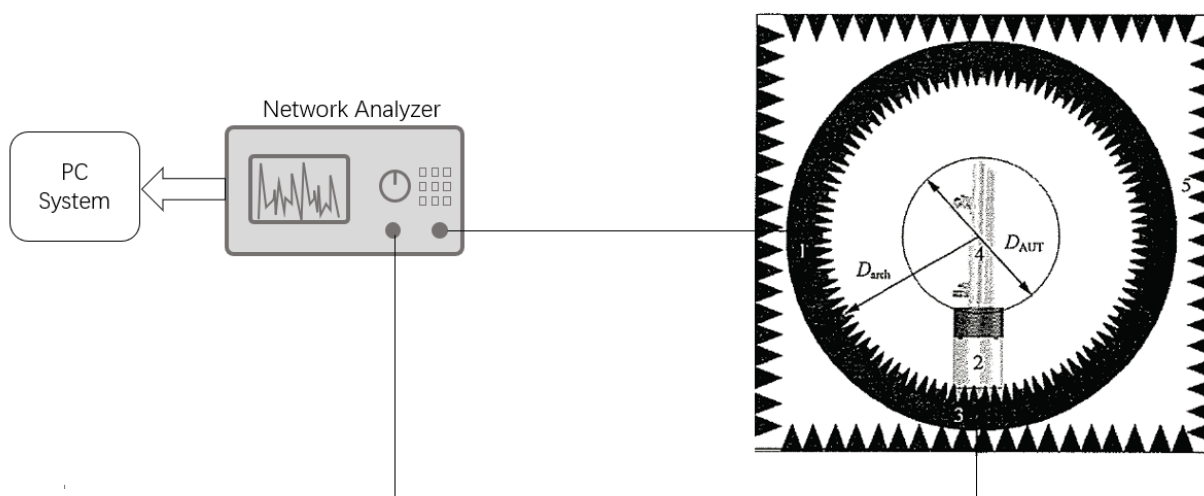
2.1 General Information

Test Date	2026-01-08		
Test Condition	Temperature: 21.6℃	Humidity: 31%	Pressure: 101.1kPa
Test Place	OTA Room	Test Engineer	Novak Wei

2.2 Test Equipment

Equipment	Manufacturer	Model No	Serial No	Last Cal.	Cal. Interval
ENA network analyzer	Keysight	E5071C	MY46900684	2025-06-04	1 year
Software	FEITU	ANTESTPRO	N/A	N/A	N/A

2.3 Block Diagram of Test Setup



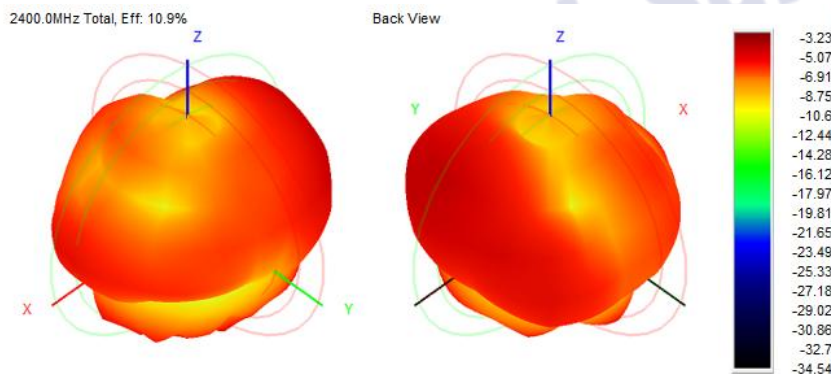
2.4 Test Procedure

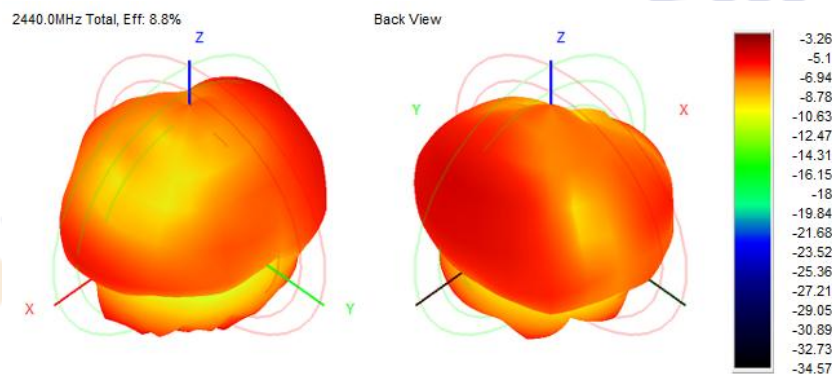
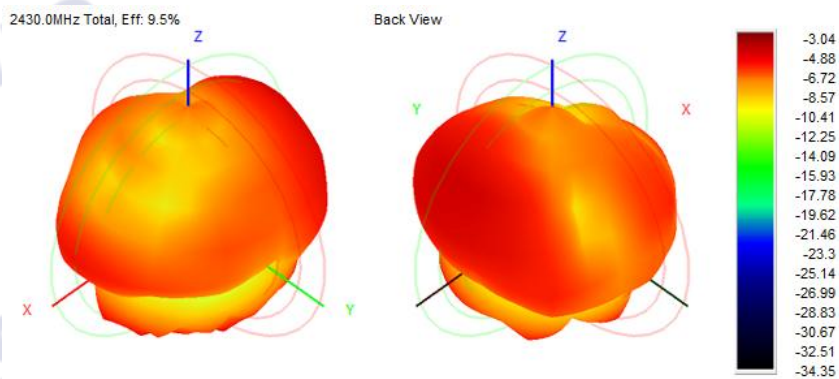
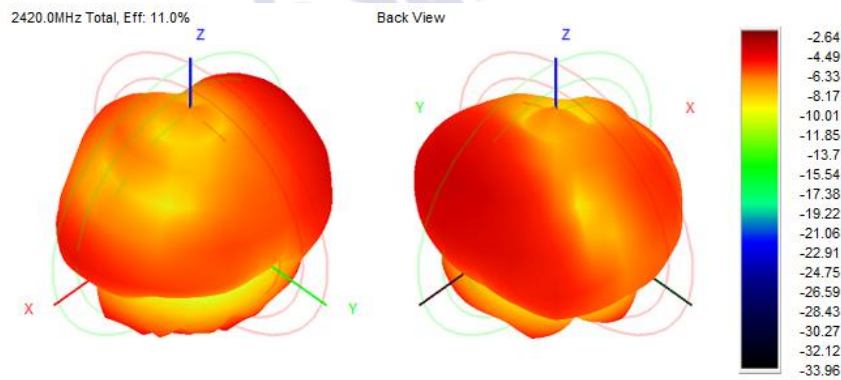
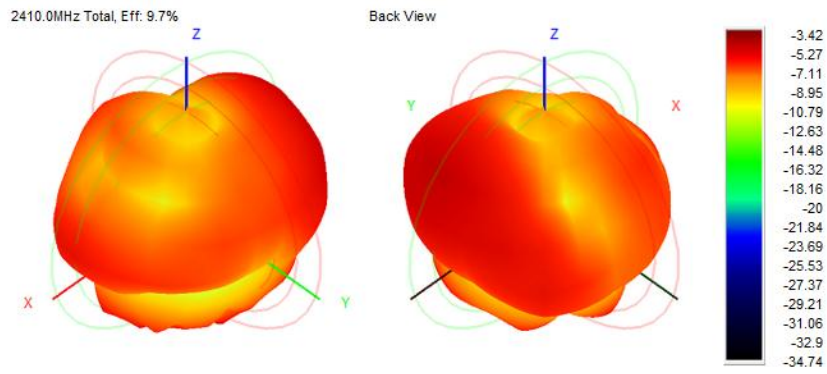
- (1) Set up the antenna to be measured. Set up the antenna and mark the cross reference line at the center of the antenna port surface to be measured.
- (2) Connect the cable connector and adjust the downdip Angle (electrically tuned antenna).
- (3) Open the test software, create the test project, and configure the test port.
- (4) Use test software for automatic testing and save test data of electromagnetic field distribution.

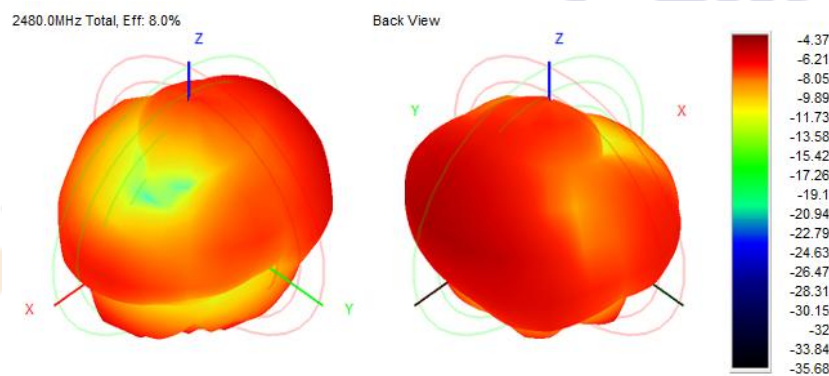
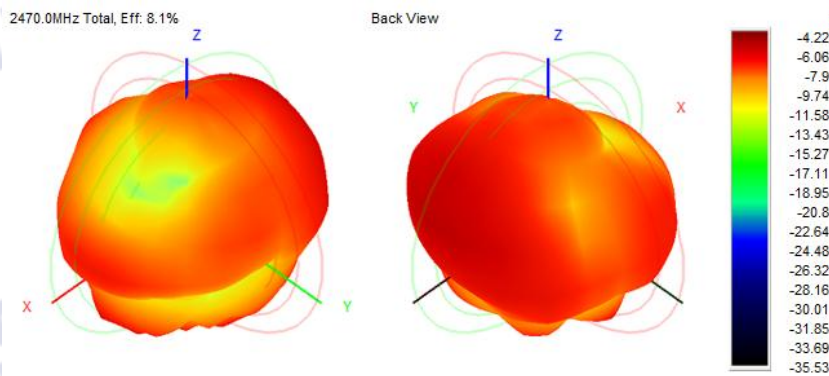
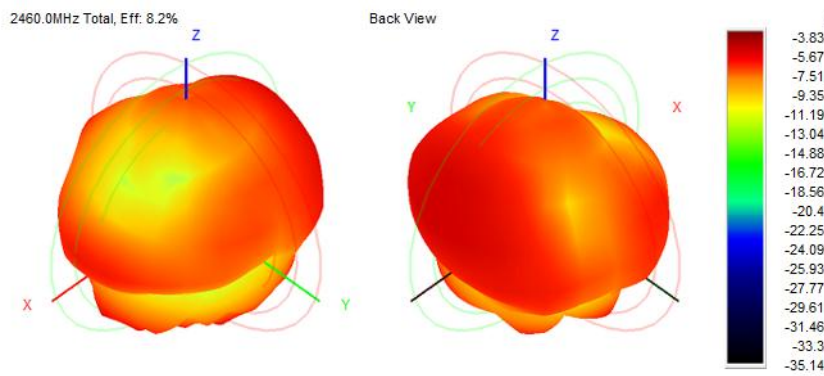
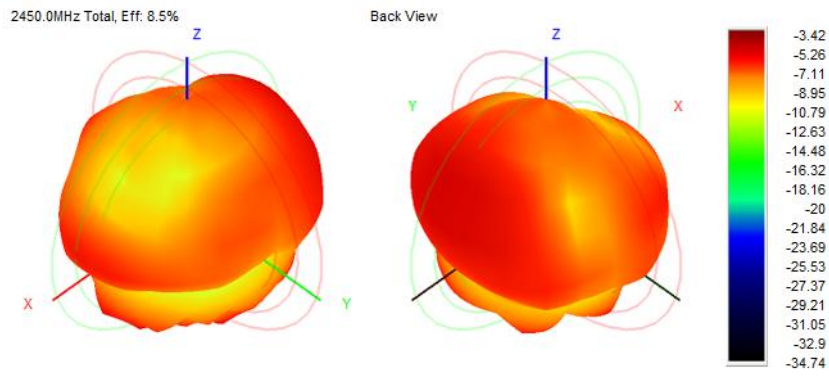
- (5) Change the port, down dip Angle, or test frequency (if necessary), and repeat steps (3) to (4) until all status data to be measured is collected.
- (6) After near and far field exchange, the three-position spherical pattern of the antenna to be tested is obtained, and the Theta and Phi angles of the position where the maximum level of the three-position spherical pattern is located are found. The horizontal plane pattern curve of the antenna to be tested is obtained by cutting according to equal Theta Angle, and the vertical plane pattern of the antenna to be tested is cancelled by cutting according to equal Phi Angle. Then the radiation parameters of the horizontal plane and vertical plane pattern of the antenna to be measured are obtained by using the processing method similar to that of the far field.

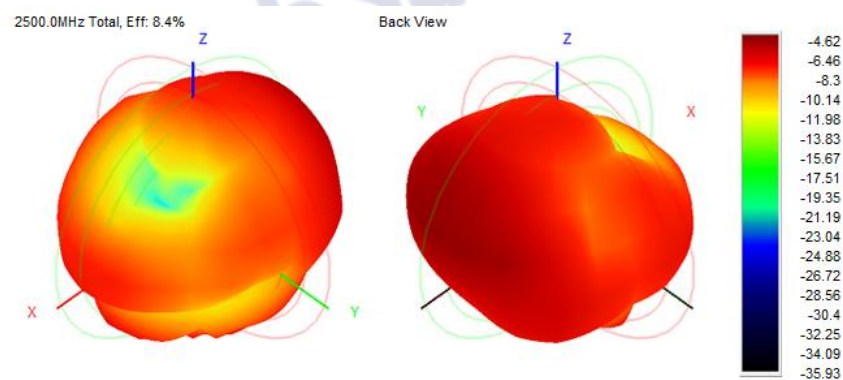
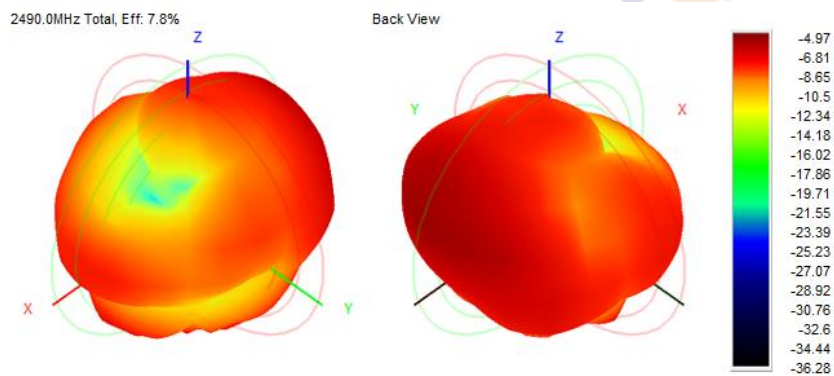
2.5 Result

Fre. (MHz)	Eff. (dBi)	Gain (dBi)	Eff. (%)	Directivity (dB)	Peak Gain Position (Theta)	Peak Gain Position (Phi)	Eff. ThetaPol (%)	Eff. PhiPol (%)	Upper Hem. Eff. (%)	Lower Hem. Eff. (%)
2400.0	-9.64	-3.23	10.86	6.41	180.00	30.00	6.38	4.48	5.66	5.20
2410.0	-10.12	-3.42	9.72	6.70	180.00	30.00	5.74	3.98	5.04	4.68
2420.0	-9.59	-2.64	11.00	6.94	180.00	30.00	6.50	4.50	5.66	5.34
2430.0	-10.23	-3.04	9.49	7.19	180.00	30.00	5.60	3.89	4.82	4.67
2440.0	-10.56	-3.26	8.79	7.30	180.00	30.00	5.17	3.62	4.42	4.37
2450.0	-10.71	-3.42	8.50	7.28	180.00	30.00	4.98	3.52	4.25	4.25
2460.0	-10.88	-3.83	8.16	7.06	180.00	30.00	4.75	3.41	4.07	4.09
2470.0	-10.89	-4.22	8.15	6.67	180.00	30.00	4.71	3.44	4.11	4.04
2480.0	-10.99	-4.37	7.97	6.62	180.00	30.00	4.58	3.38	4.09	3.88
2490.0	-11.06	-4.97	7.84	6.09	180.00	30.00	4.49	3.35	4.10	3.74
2500.0	-10.77	-4.62	8.37	6.16	180.00	30.00	4.78	3.59	4.48	3.89

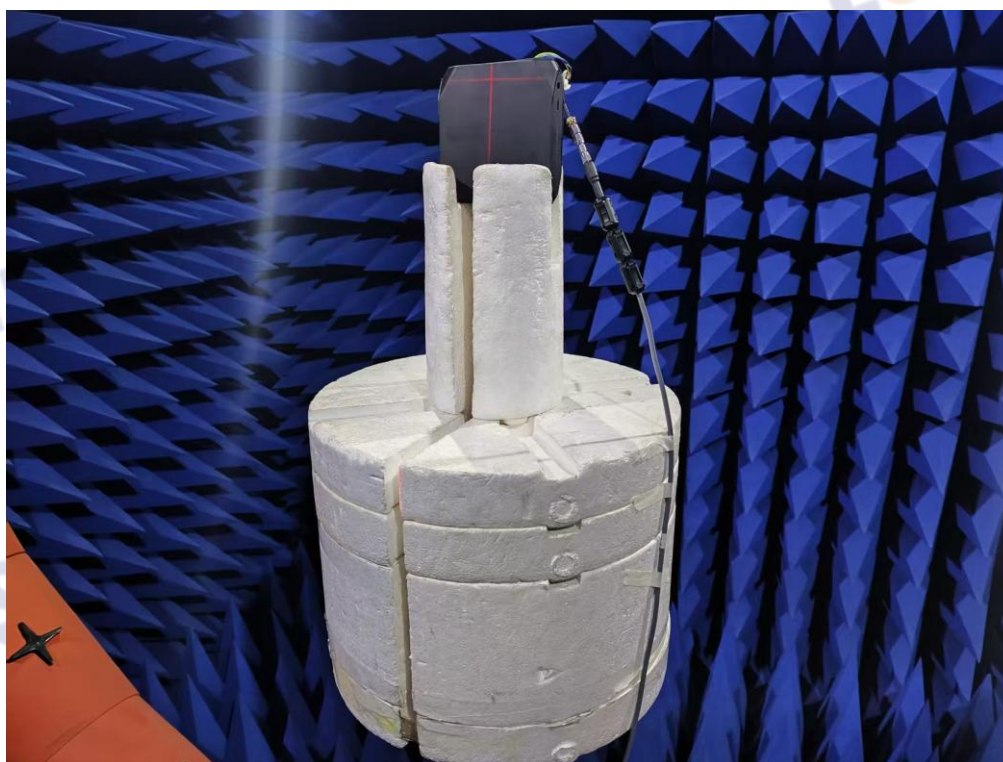
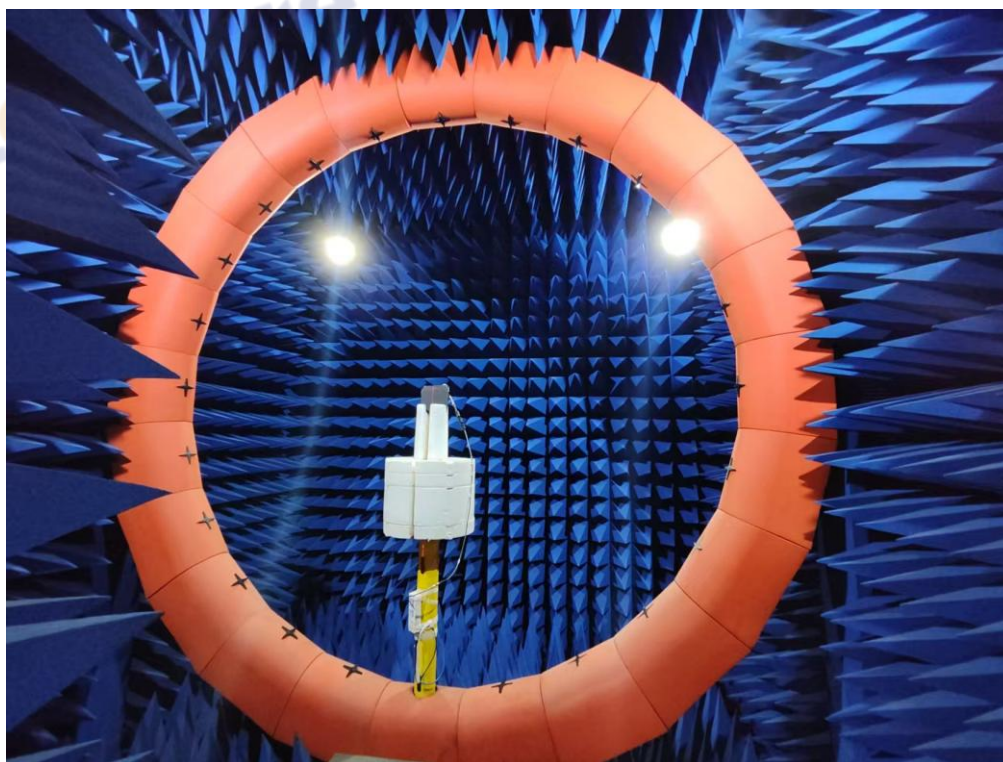








Annex A Test Setup Photo



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