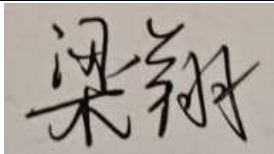
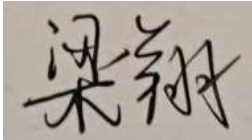


YY7867E2 Dongle Antenna report

Applicant	Tonly Technology Co., Ltd.
Address	Section 37, Zhongkai High-tech Development Zone, Huizhou City, Guangdong Province, 516006 China

Manufacturer or Supplier	Shenzhen Speed Wireless Technology Co., Ltd
Address	202, Building A, countrymen Communication Building, No. 5, Keji Middle Third Road, Maling Community, Yuehai Street, Nanshan District, Shenzhen, Guangdong
Product	YY7867E2 Dongle ANT
Brand Name	Sony
Antenna Types:	FPC Antenna
Model	NA
Max. Peak Gain	2.8dBi
Date of tests	2024-08-08
Tested by : LiangXiang 梁翔	Approved by : LiangXiang 梁翔
	

1. Antenna Size (mm) (Please refer to Antena photos document)

2. Antenna photo (Please refer to Antena photos document)

3. Test setup photo (Please refer to Antena photos document)

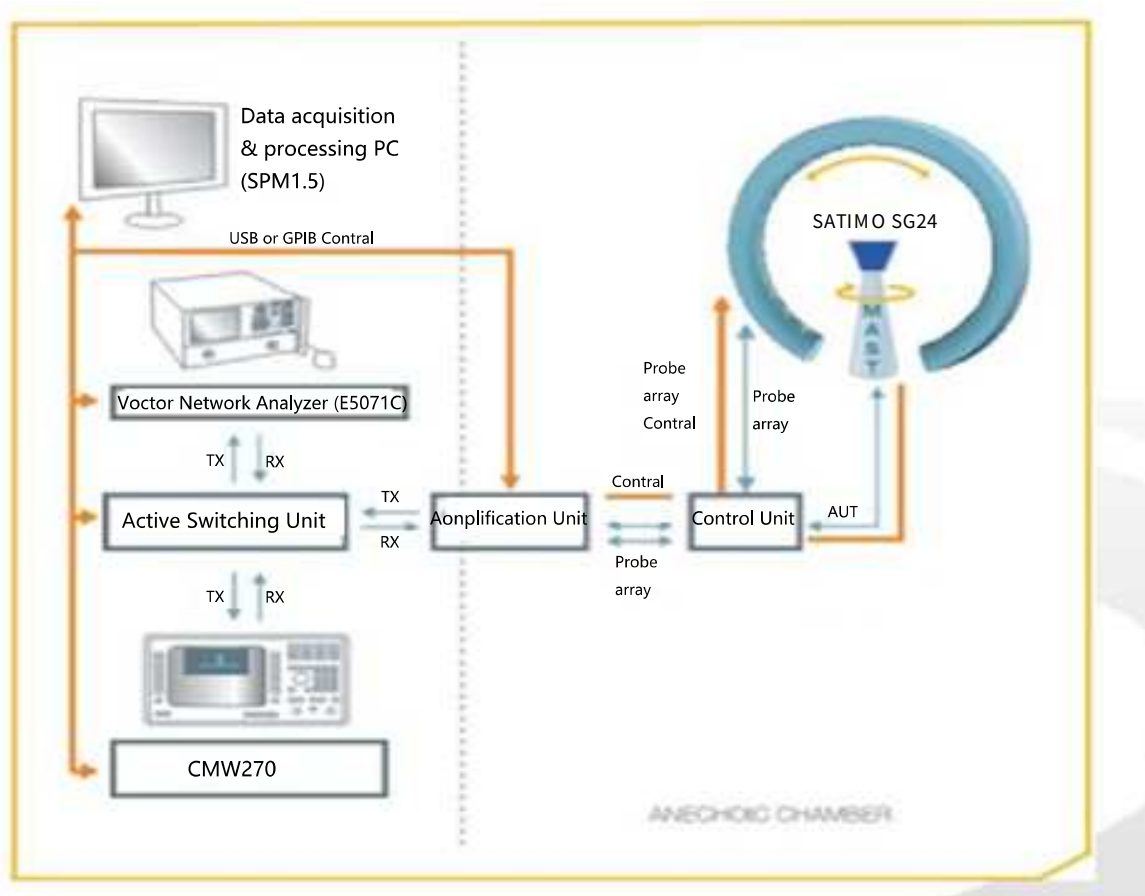
4. Test standard

Name	Parameter	Method	Standard no.
Antenna performance	Radiation efficiency	IEEE Standard Test Procedures for Antennas	ANSI/IEEE Std 149-1979

5. Equipment list

Equipment	Manufacturer	Model No	Serial No.	Last Cal.	Due Date
Network Aanlyzer	Agilent	E5071C	MY46523586	2024.7.25	2025.7.24
Microwave chamber	SATIMO	SATIMO SG24		2024.7.25	2025.7.24
Measuring Instrument	SATIMO	CMW270		2024.7.25	2025.7.24
Test Software	SPM	SPM1.5		2024.7.25	2025.7.24

6. Test configuration diagram



Test step flow:

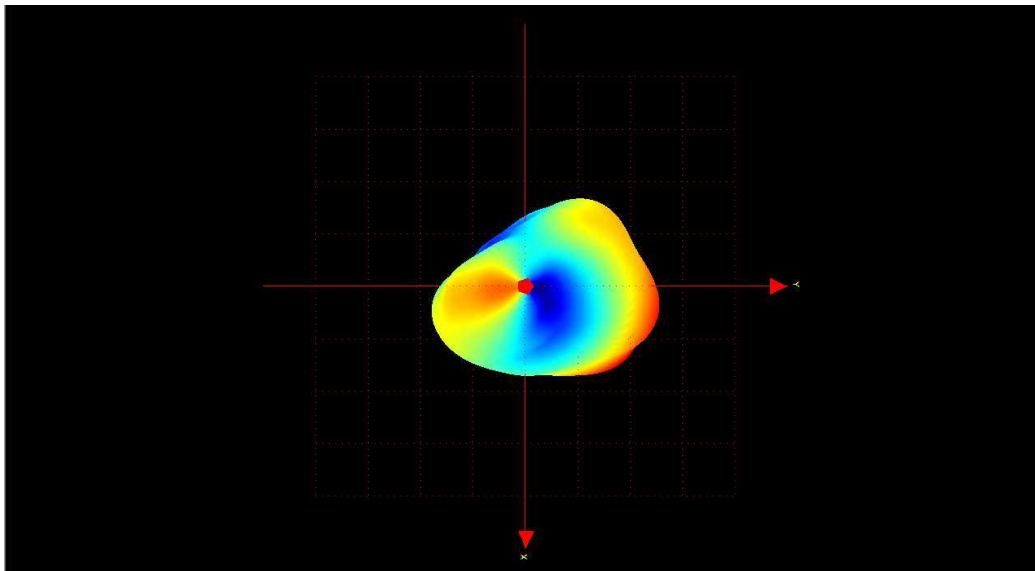
- 1) Maintain the test ambient temperature of 23 ± 2 C, the instrument is powered on and preheated for more than 30 minutes;
- 2) Turn on the darkroom power supply, connect the test cable, and set up the sample according to the standard;
- 3) Outline sets the test content objectives and conducts calibration tests;
- 4) Run the software, when the test is completed, export the corresponding test diagram and test data, and save to the corresponding directory.

7. Antenna gain

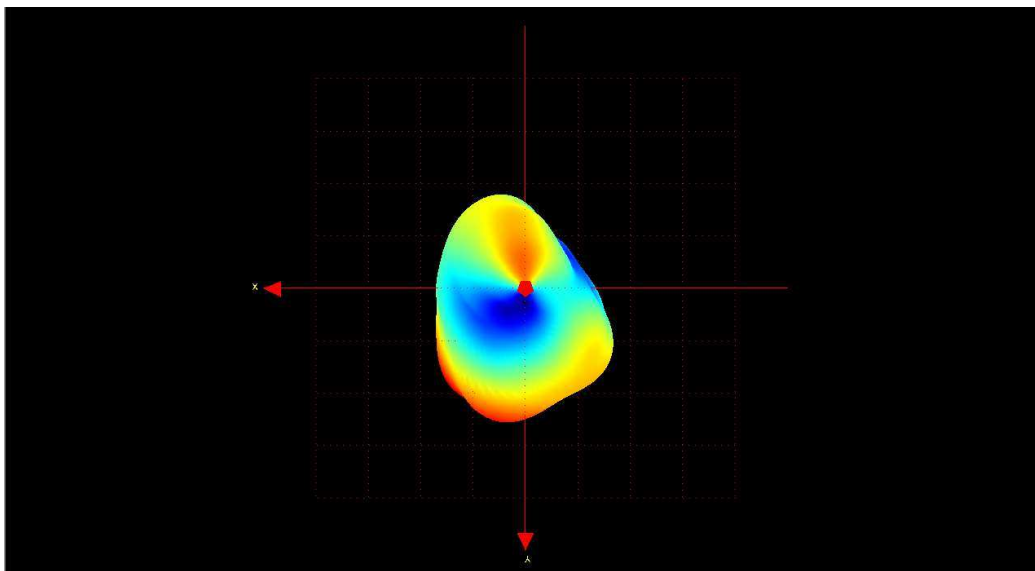
Freq (MHz)	Efficiency (dB)	Efficiency (%)	Gain (dB)
2400	-2.4	57	2.6
2410	-2.5	57	2.5
2420	-2.6	55	2.1
2430	-2.2	60	2.8
2440	-2.3	58	2.5
2450	-2.7	54	2.4
2460	-2.4	57	2.3
2470	-2.1	61	2.6
2480	-2.6	55	1.9

8. Antenna test data

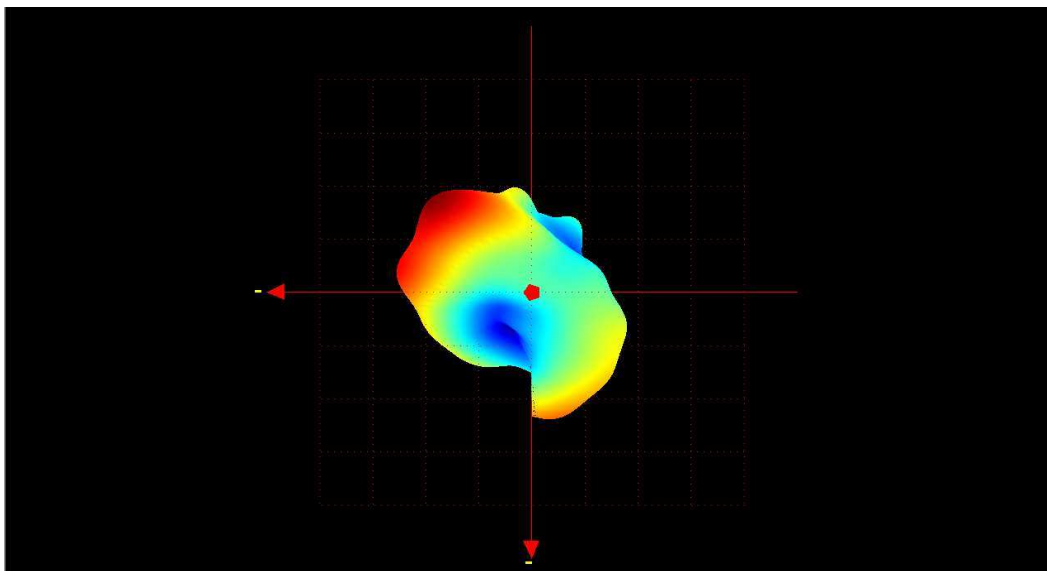
Phi0°



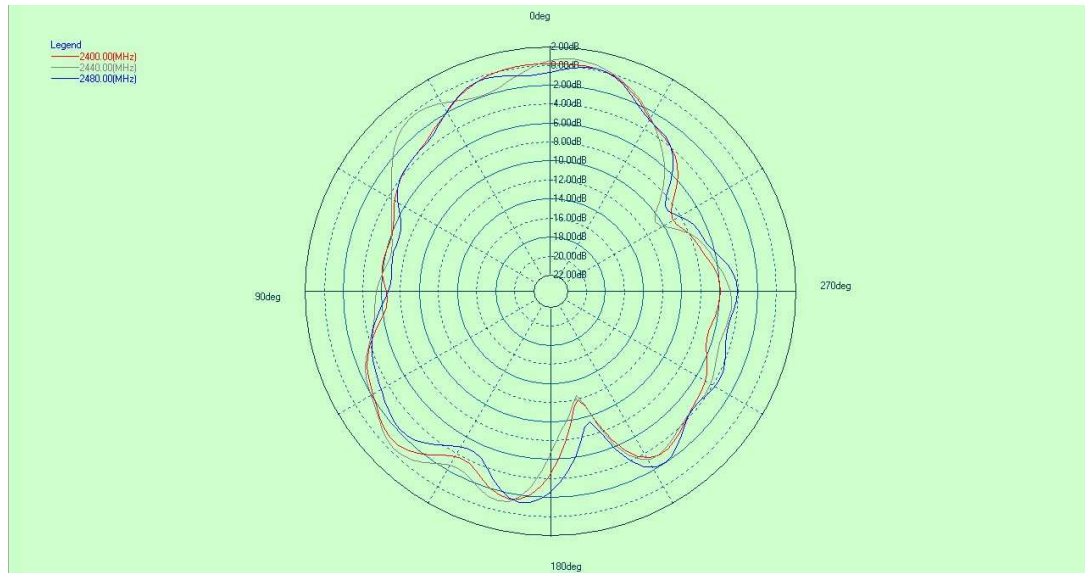
Phi90°



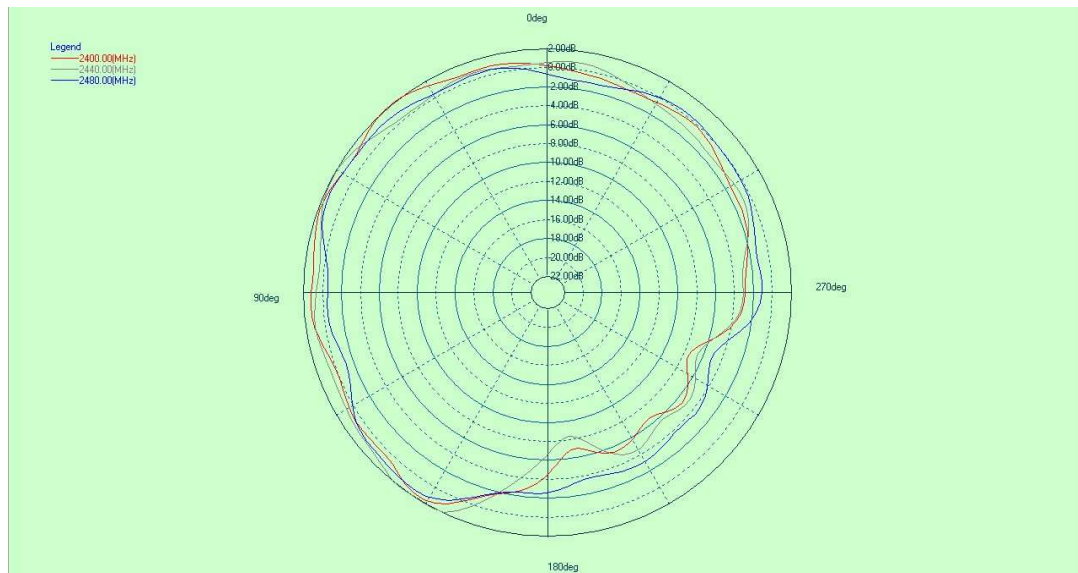
Theta90°



Phi0°



Phi90°



Theta90°

