

AIMO 2 Wireless Antenna test report

2024.04.10 M11

Description Manufacturer/Model No./Calibrated Date	Agilent Technologies /E5071C/ 2023/8/26
Test employee/ Test Date	黃河/ 2024/1/19
Test setup diagram	See attached
Setup photo	Refer to Set photo
ANT vendor	Heatmoving
ANT model	F22-1
ANT type	PIFA antenna

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.



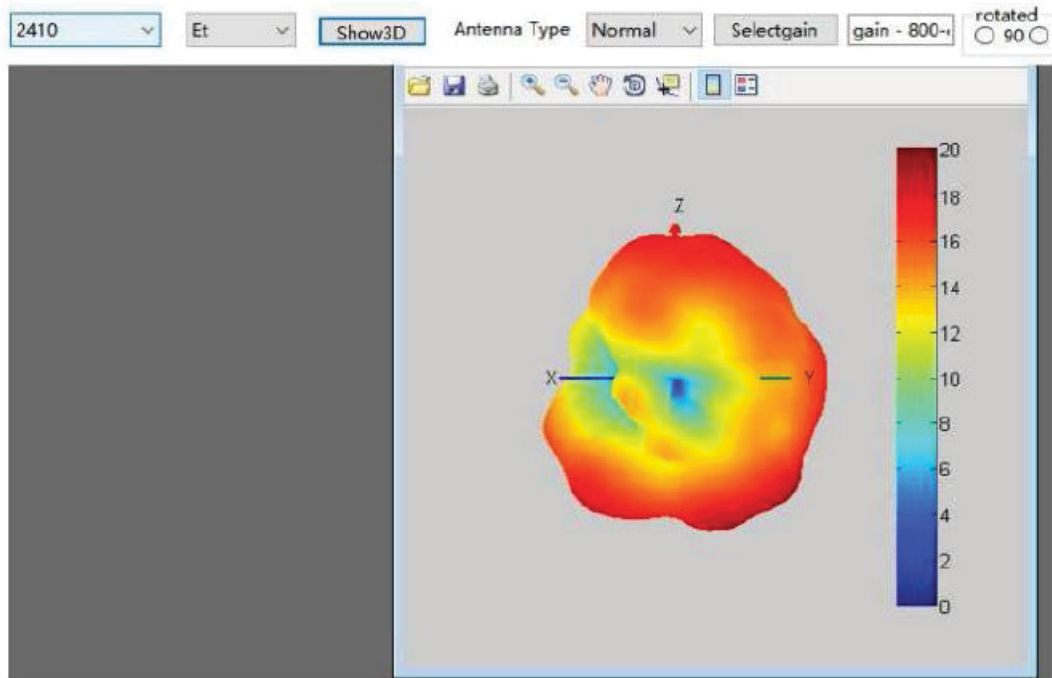
Frequency 频率(MHz)	2400	2450	2500
Return loss	-10.908	-14.409	-19.355
VSWR	1.7966	1.4712	1.2416

天线效率 Gain & Efficiency

Gain&Efficiency 增益和效率				
frequency 频率 (MHz)	gain 增益 (dBi)	mingain 最小增益 (dBi)	efficiency 效率 (dBi)	efficiency 效率 (%)
2402	2.21	-18.41	-3.15	50.41
2410	2.51	-17.58	-2.64	54.39
2416	2.73	-16.84	-2.68	53.98
2422	2.83	-16.57	-2.89	51.40
2428	2.88	-16.73	-2.94	50.77
2434	2.94	-16.97	-2.77	52.90
2440	2.92	-17.34	-2.71	53.62
2446	3.08	-17.97	-2.6	54.91
2454	3.38	-18.82	-2.35	58.21
2460	3.16	-18.71	-2.43	57.13
2466	2.67	-18.19	-2.7	53.67
2472	2.72	-17.07	-2.48	56.55
2480	3.01	-16.27	-2.22	59.97

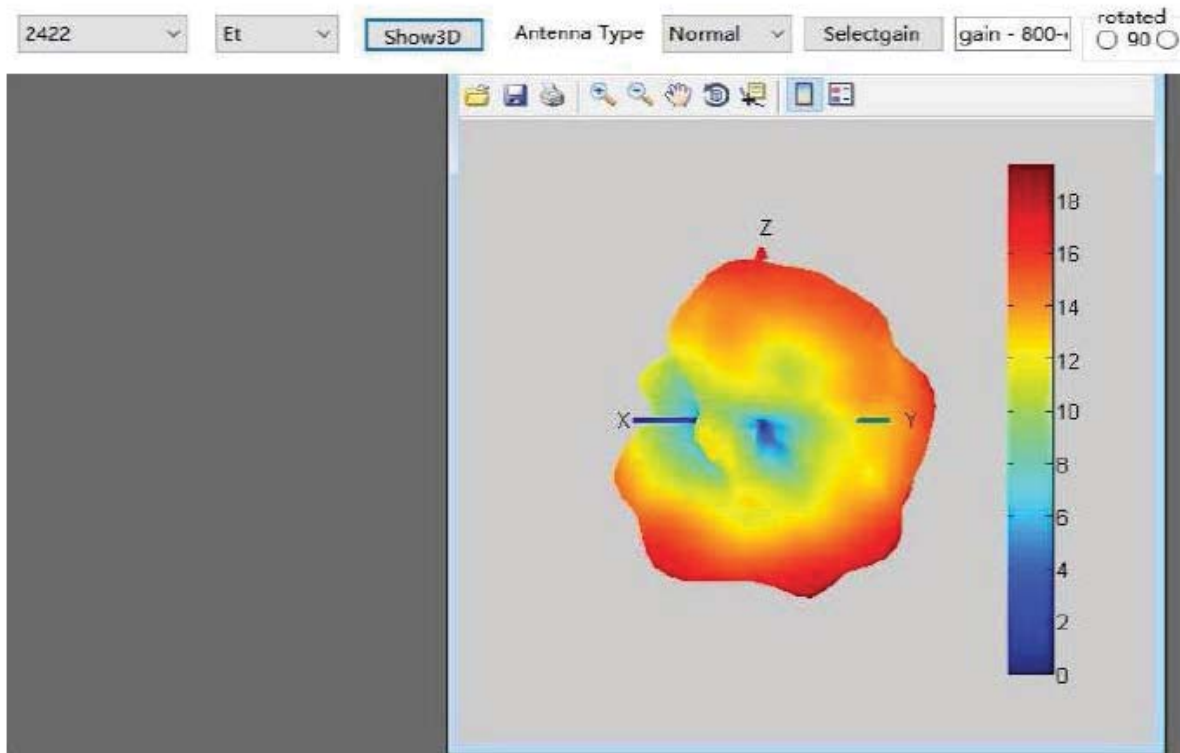
Radiation Patterns

天线苹果图和方向图



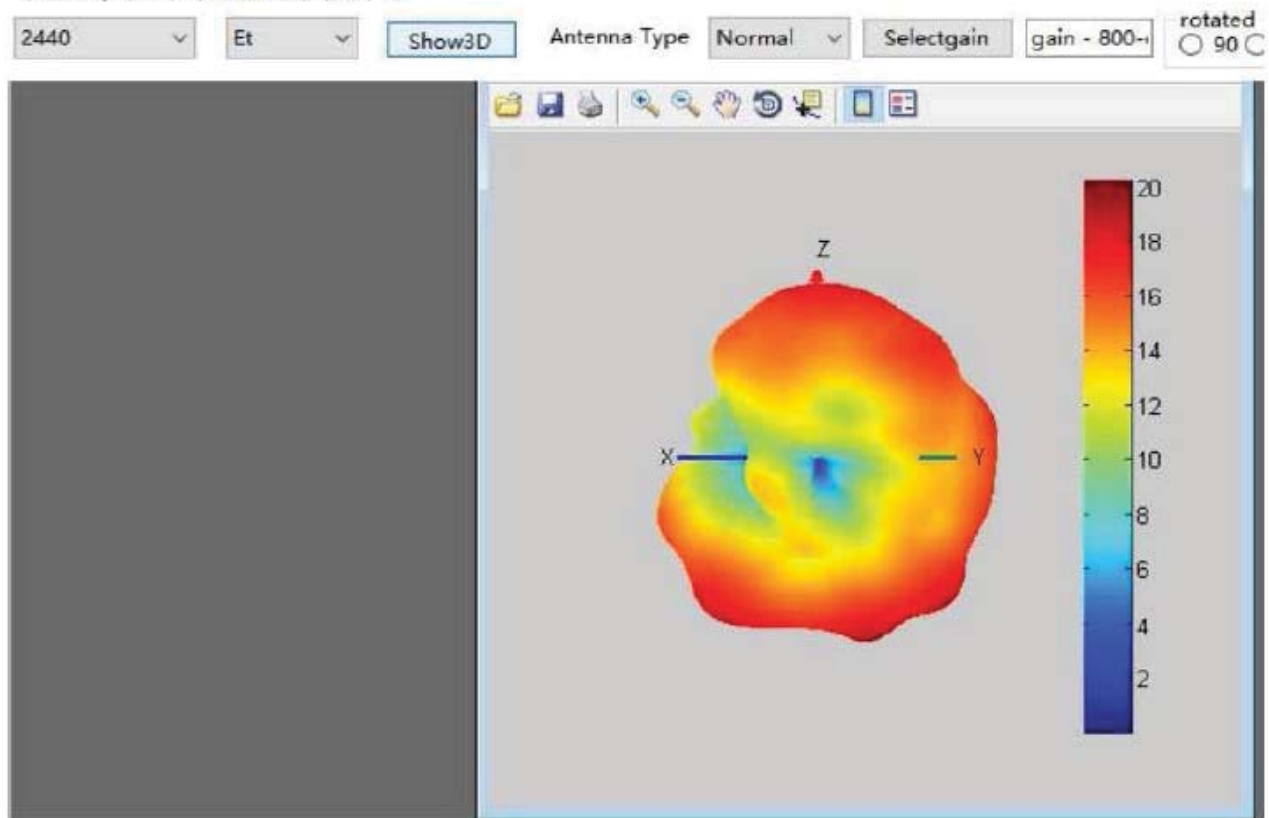
Radiation Patterns

天线苹果图和方向图



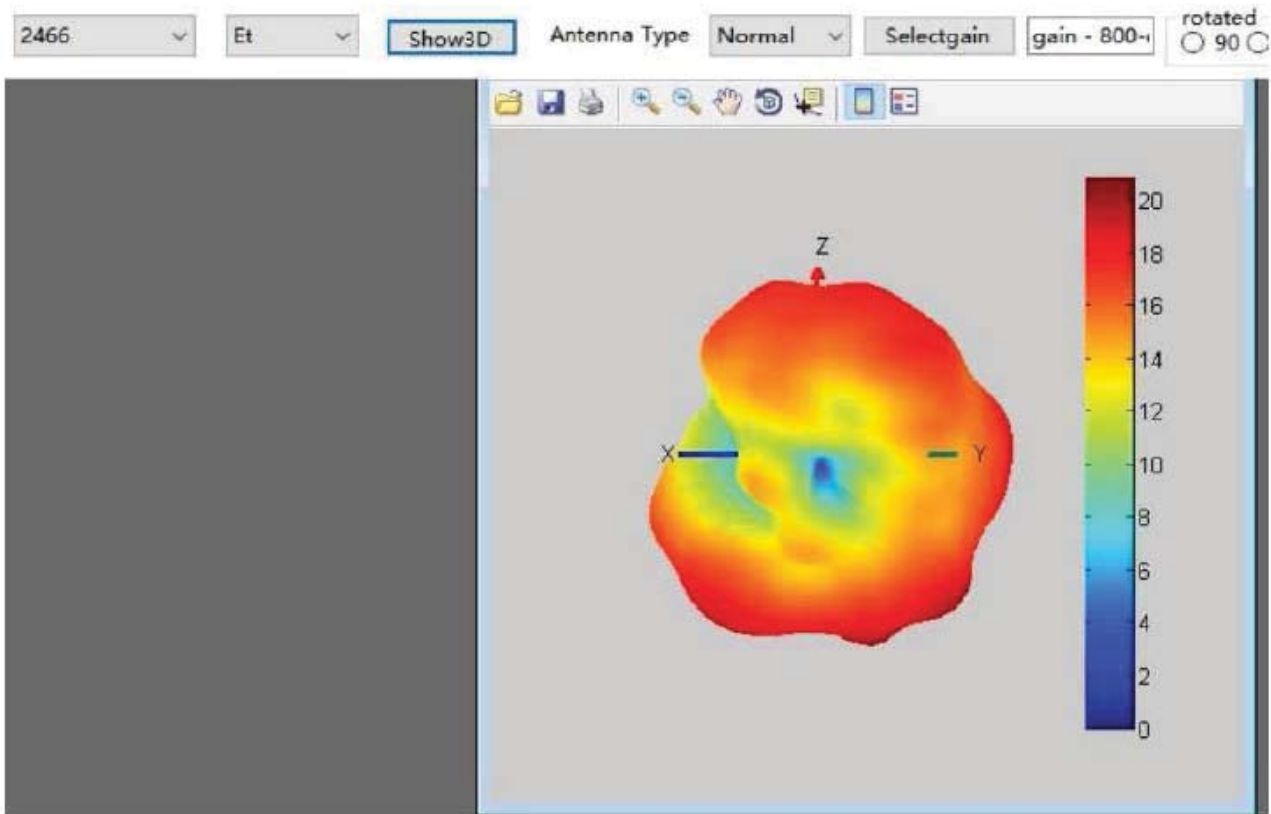
Radiation Patterns

天线苹果图 and 方向图



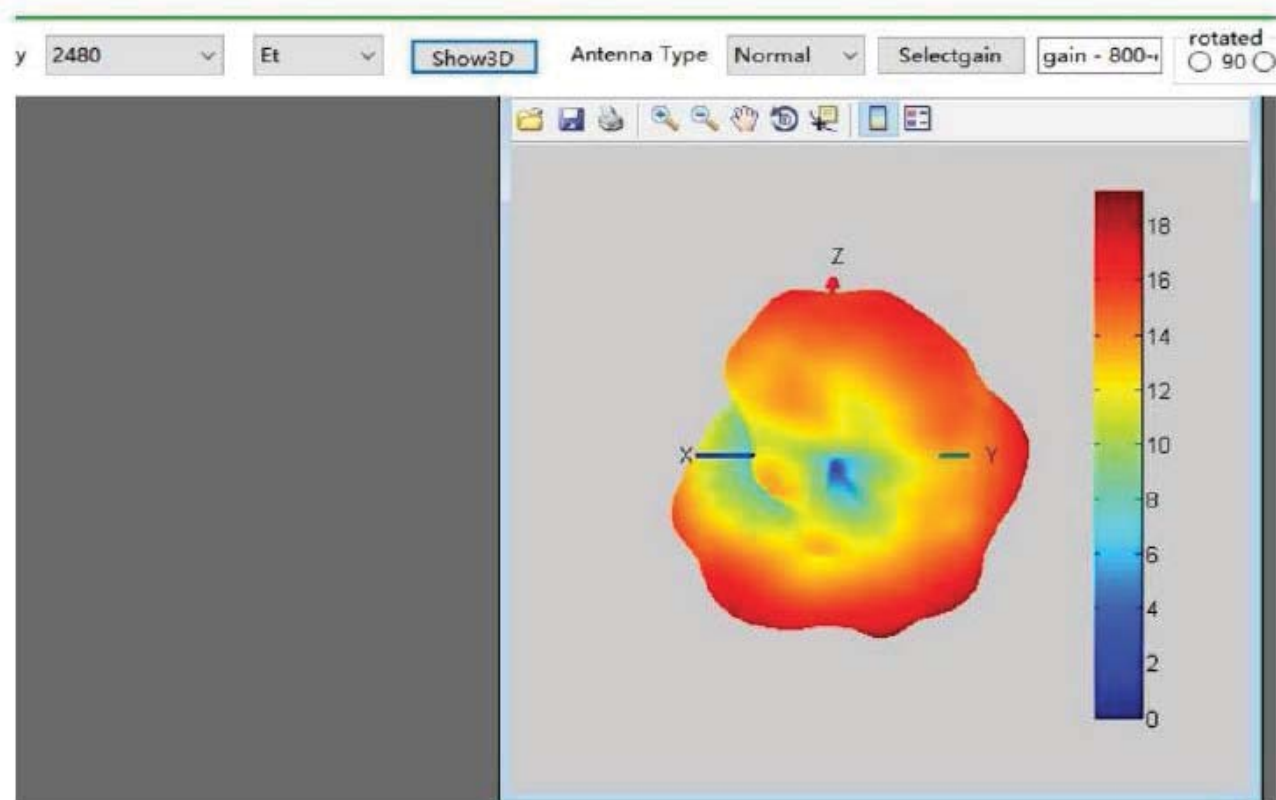
Radiation Patterns

天线苹果图和方向图

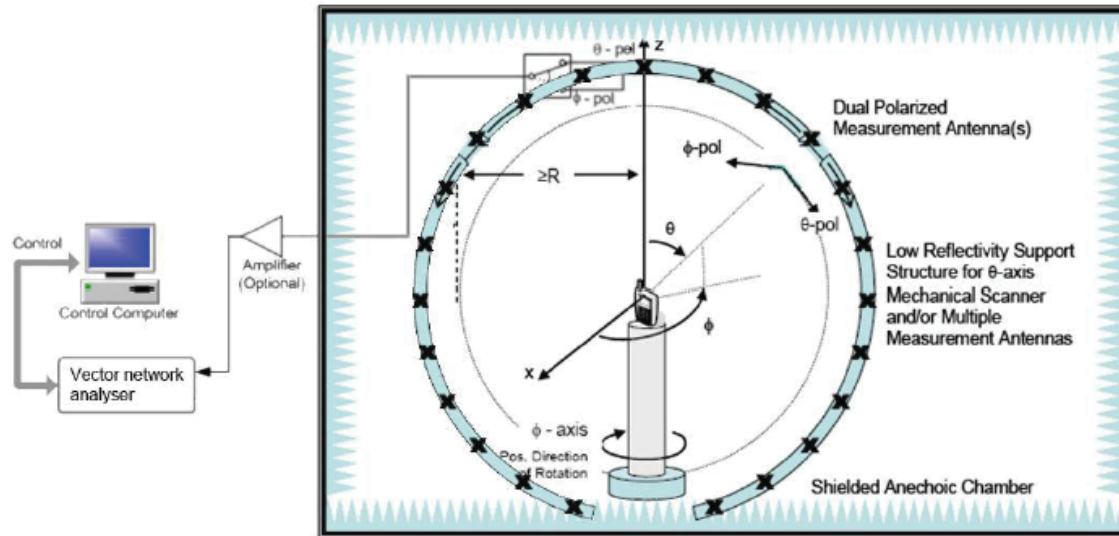


Radiation Patterns

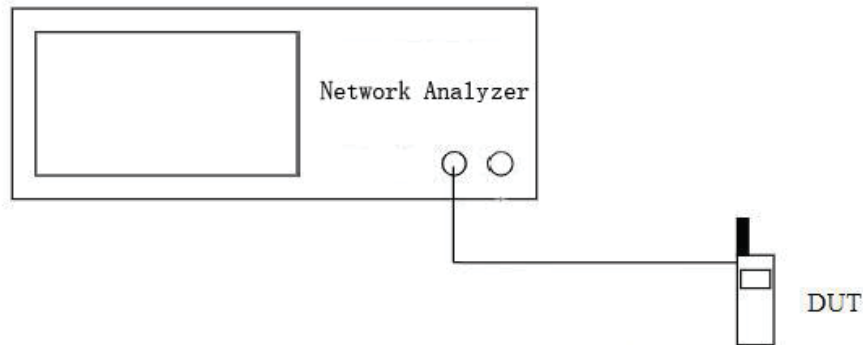
天线苹果图和方向图



1. Test Setup



2. S11 parameter test setup



* Other Configuration please reference the "Annex D: General Information"

Equipment	Manufacturer	Mode No.	Serial No.	Cal date	Cal Due
Test Chamber	ETS-Lindgren	8500	/	/	/
Test Software	ETS-Lindgren	EMQuest V1.12	1496	/	/
Network Analyzer	Keysight	E5071C	MY46524531	2023.10.12	2024.10.11
EXA Singal Analyzer	Keysight	N9010A	MY55150514	2023.10.12	2024.10.11