

RCB98 ANT TEST REPORT

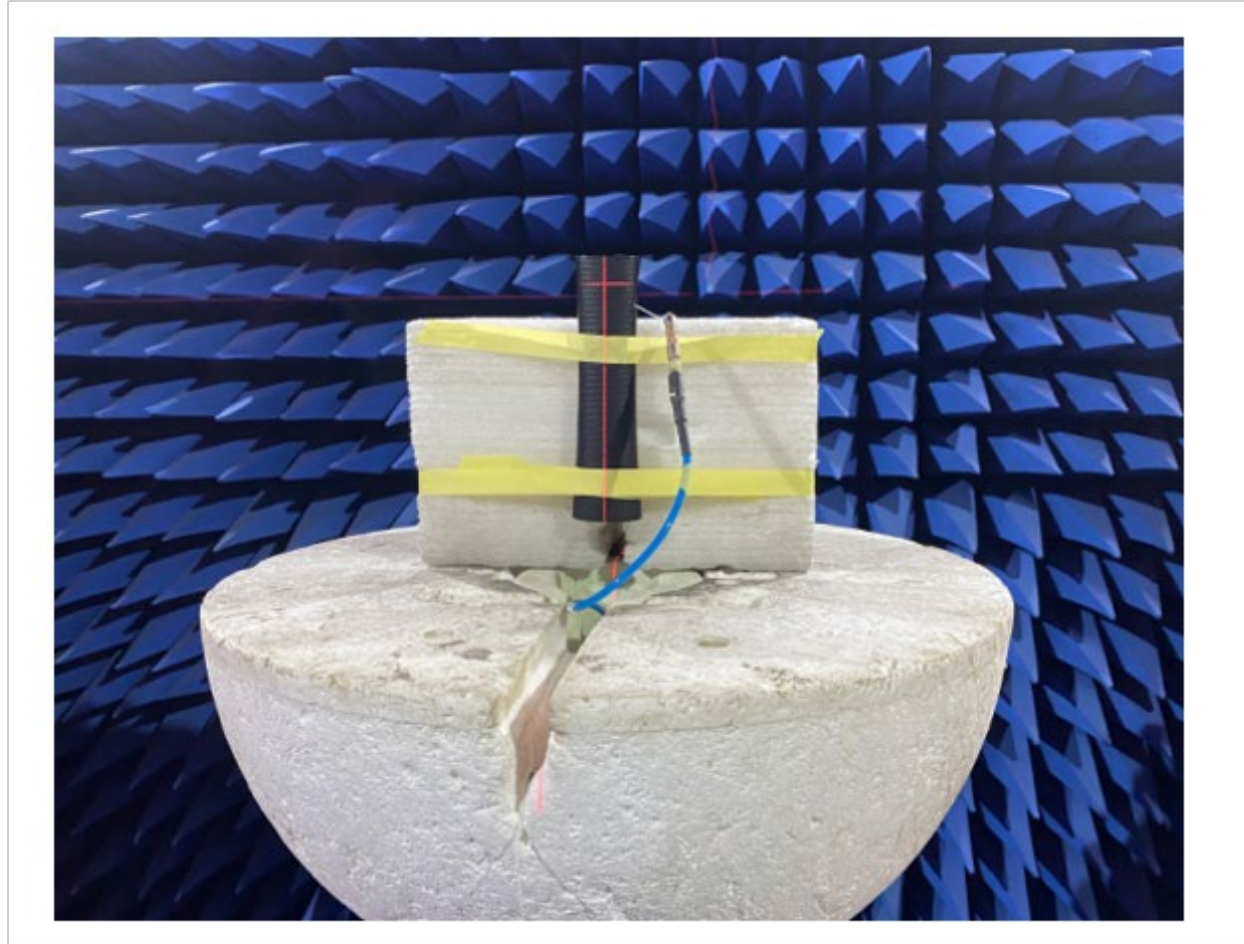
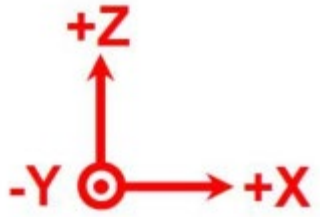
ANT NAME:RCB98

ANT TYPE:PCB

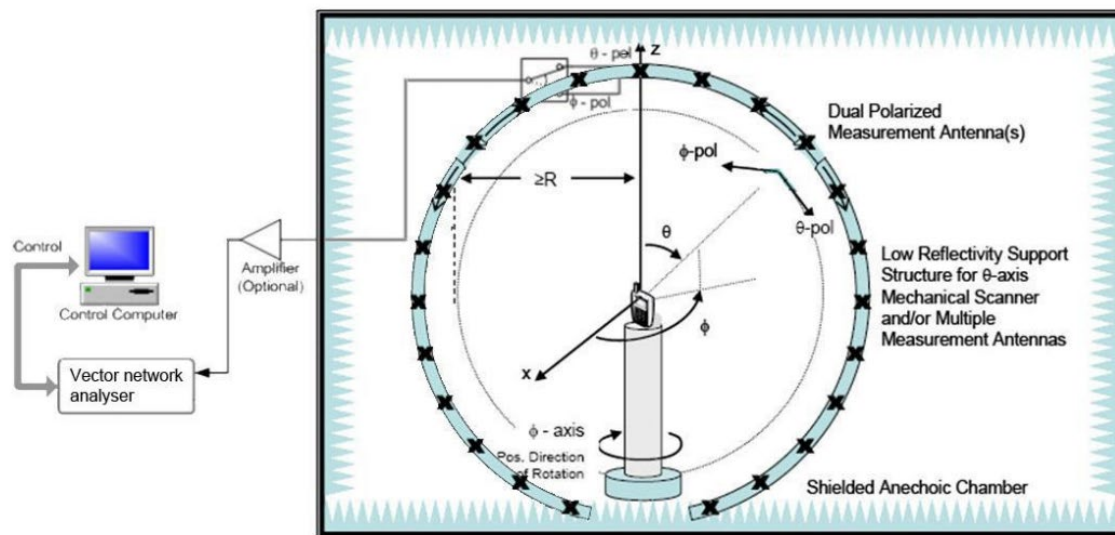
测试实验室名称	中天迅
测试实验室地址	深圳市宝安区石岩街道石龙大道34号
测试日期	2024年8月22日
测试人员姓名	赵烽
测试软件名称	Satimo.Spm
测试软件版本号	1.5.5

Test laboratory	ZTX
Test laboratory address	No. 34 Shilong Avenue, Shiyan Street, Bao'an District, Shenzhen
Test day	August 22,2024
Name of tester	Zhao Feng
Test software name	Satimo.Spm
Test software version number	1.5.5

- ❑ 测试环境 Test environment
- ❑ 测试标准及设备 Test standard and equipment
- ❑ 天线无源测试数据 Passive antenna test data



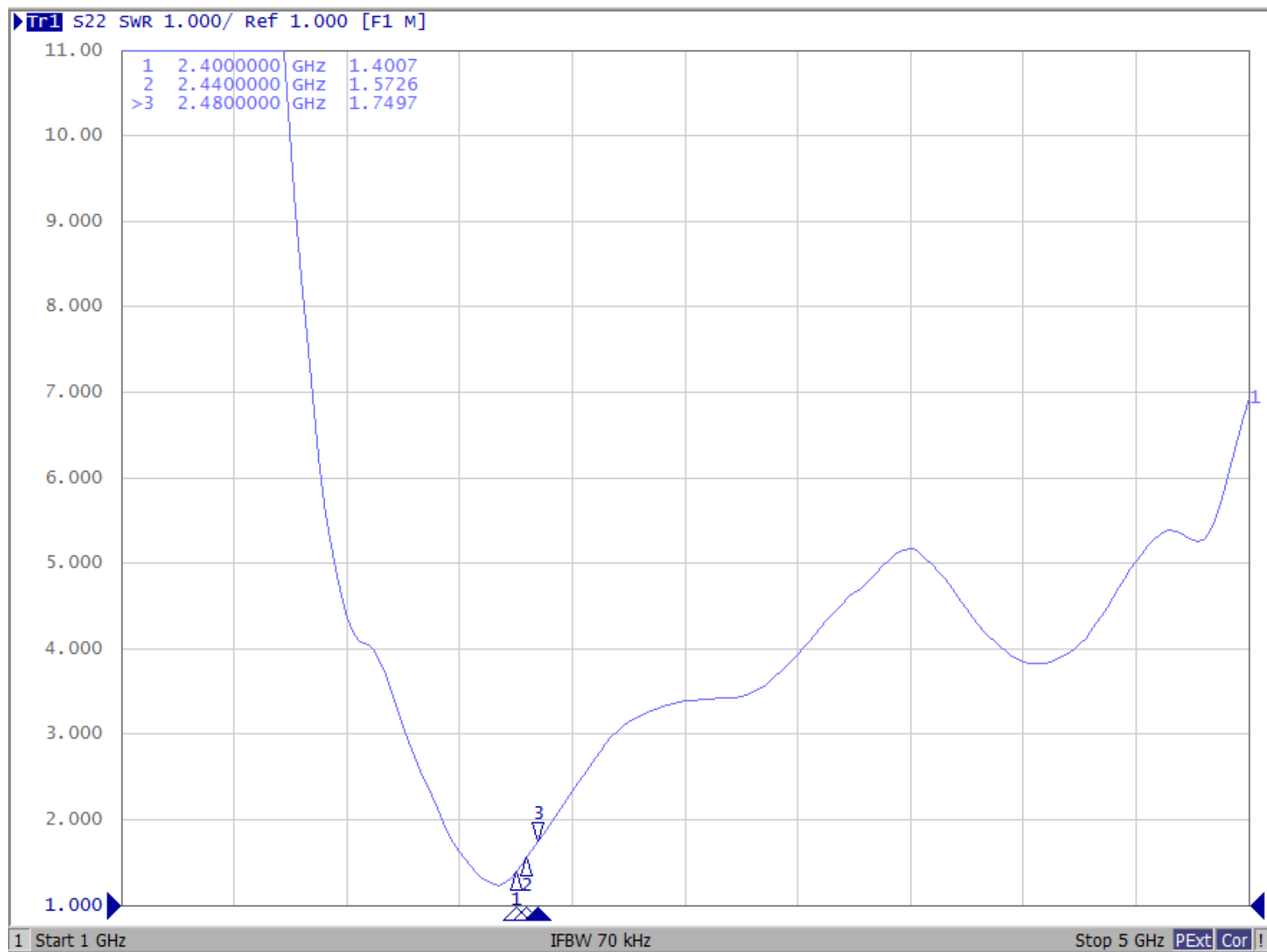
测试标准及设备 Test standard and equipment



Name	Parameter	Method	Standard no.
Antenna performance	Radiation efficiency	IEEE Standard Test Procedures for Antennas	ANSI/IEEE Std 149- 2021

Equipment list	Equipment	Manufacturer	Model	SN	Last cal.	<u>Du</u> l Date
	Network analyzer	<u>Keysight</u>	E5071C	MY59202000	2024. 04. 01	2025. 03. 31
	CMW antenna system	GTS	1800		2024. 04. 01	2025. 03. 31

❑ Passive antenna test data

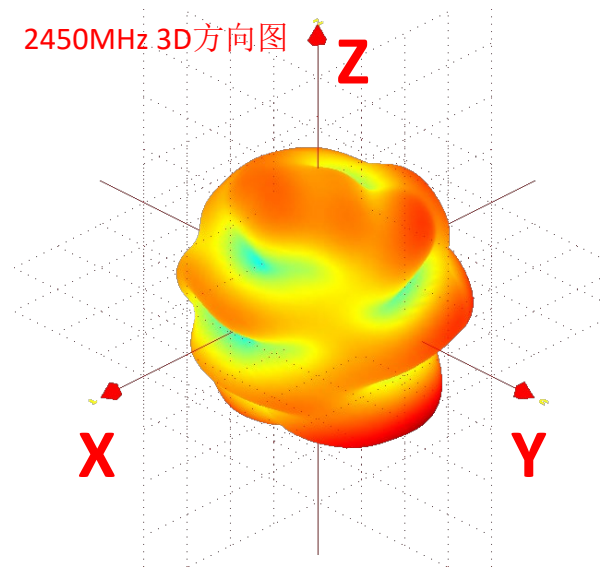
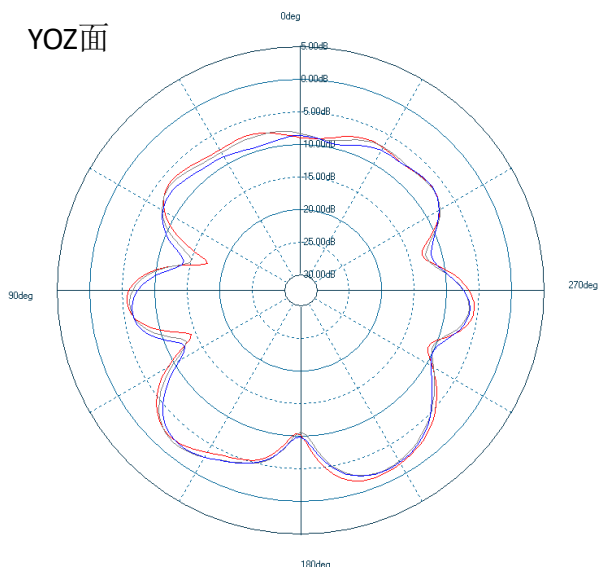
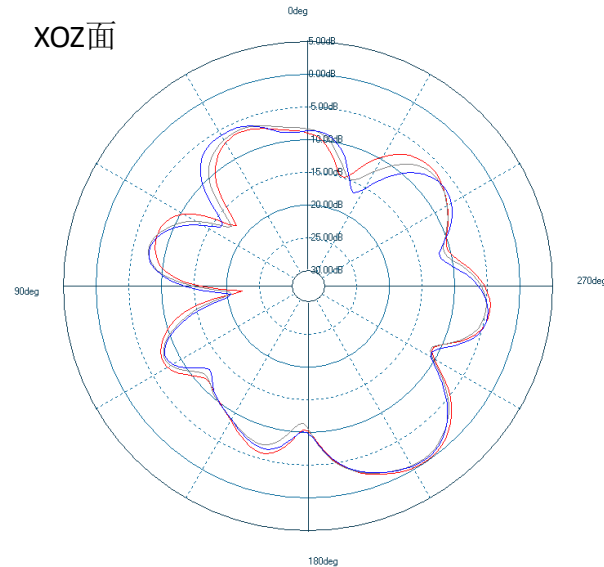
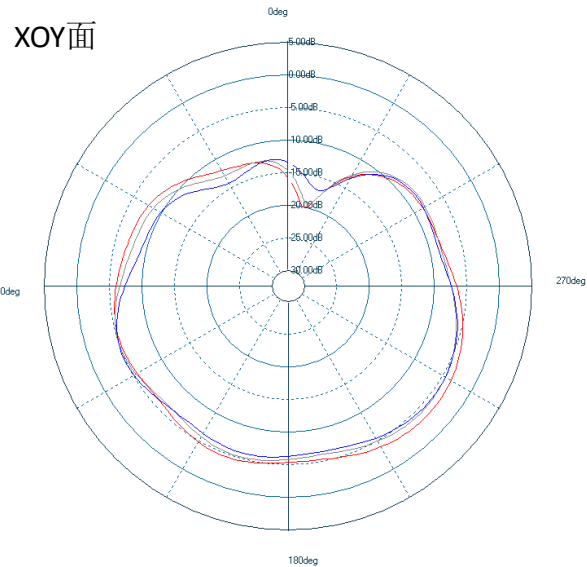


无源数据 (效率/增益) Passive data (efficiency/gain)



Frequency	Efficiency		Peak Gain
Mhz	%	dB	dB
2400	21.49	-6.68	-0.04
2410	20.60	-6.86	-0.17
2420	20.52	-6.88	-0.27
2430	20.42	-6.90	-0.28
2440	20.64	-6.85	-0.06
2450	20.22	-6.94	0.07
2460	20.22	-6.94	-0.09
2470	19.87	-7.02	-0.11
2480	19.66	-7.06	-0.35
2490	19.66	-7.06	-0.55
2500	19.95	-7.00	-0.23

无源数据Passive



Test Procedure

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 EMQuest OTA software, the test is complete, export the corresponding test diagram and test data, and save to the corresponding directory

Test Principle

The test principle can be seen in accordance with the standard ANSI/IEEE std 149-2021

Test Conditions

1. The analyte, the network analyzer for testing, the test equipment and the test cable connector should have good reliability, stability, dynamic range and measurement accuracy to ensure the correctness of the measurement accuracy
2. The measuring instrument should have a certificate of conformity and be within the effective calibration period
3. The analyte should be complete and undamaged, and the test environment should be kept clean

Thank You

