

P12U FCC Part 15 Antenna report

Antenna Performance Description

Applicant: Xiaomi Communications Co., Ltd

Product description: Mobile Phone

Model Name: 2602EPTC0G

FCC ID: 2AFZZPTC0G

Test date: 2026/1/21

1. Antenna information

Antenna	Model Name	Pattern	Antenna Type	Manufacturer	Manufacturer Address	Test party of Antenna gain
ANT5	P12U	Metal Frame	PIFA Antenna	XIAOMI	Xiaomi International Headquarters, 1233 Haide 3rd Road, YueHai Street	Shenzhen Xiaomi Communications Co., Ltd.
ANT6	P12U	Metal Frame	PIFA Antenna	XIAOMI	Xiaomi International Headquarters, 1233 Haide 3rd Road, YueHai Street	Shenzhen Xiaomi Communications Co., Ltd.

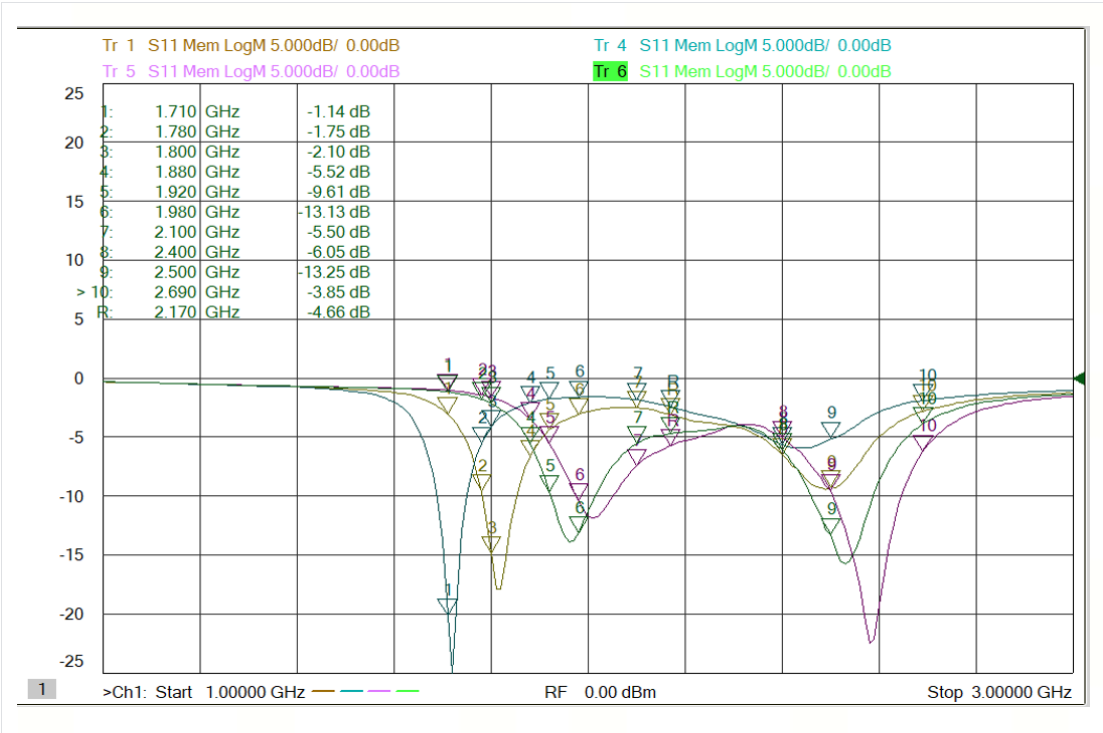
AN T11	P12U	Met al Fra me	PIFA Anten na	XIAOMI	Xiaomi International Headquarters, 1233 Haide 3rd Road, YueHai Street	Shenzhen Xiaomi Communicati onsCo., Ltd.
AN T1 3	P12U	Met al Fra me	PIFA Anten na	XIAOMI	Xiaomi International Headquarters, 1233 Haide 3rd Road, YueHai Street	Shenzhen Xiaomi Communicati onsCo., Ltd.
NF C	P12U	FPC	FPC	Kunshan Innowave Communic ation Technolog y Co., Ltd.	Building 4, Zone A, Hong Xin Tai Industrial Park, No.28 Yinying Road, Gaoying Village, Dongguan City	Shenzhen Xiaomi Communicati onsCo., Ltd.

2. Test data

ANT 5

Bands for Antenna 5	Avg.Effi.(dB)	Peak gain(dBi)
2.4G(2400~2485MHz)	-5.5	-2.4
Bluetooth	-5.5	/

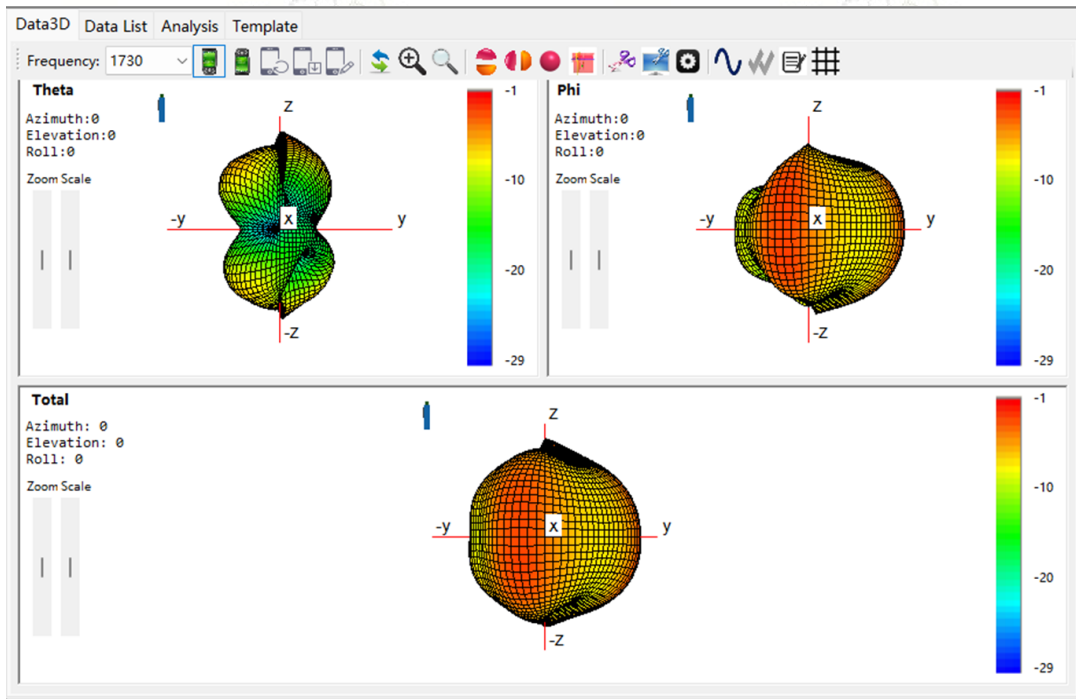
S 参数



方向图

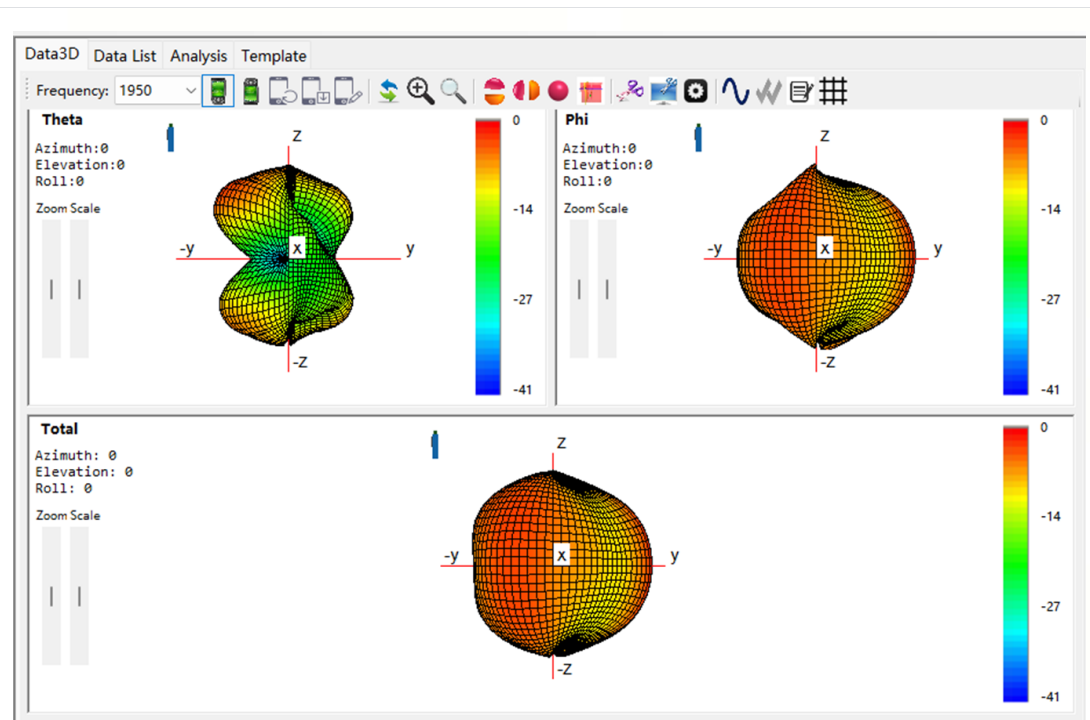
Frequency

1735MHz



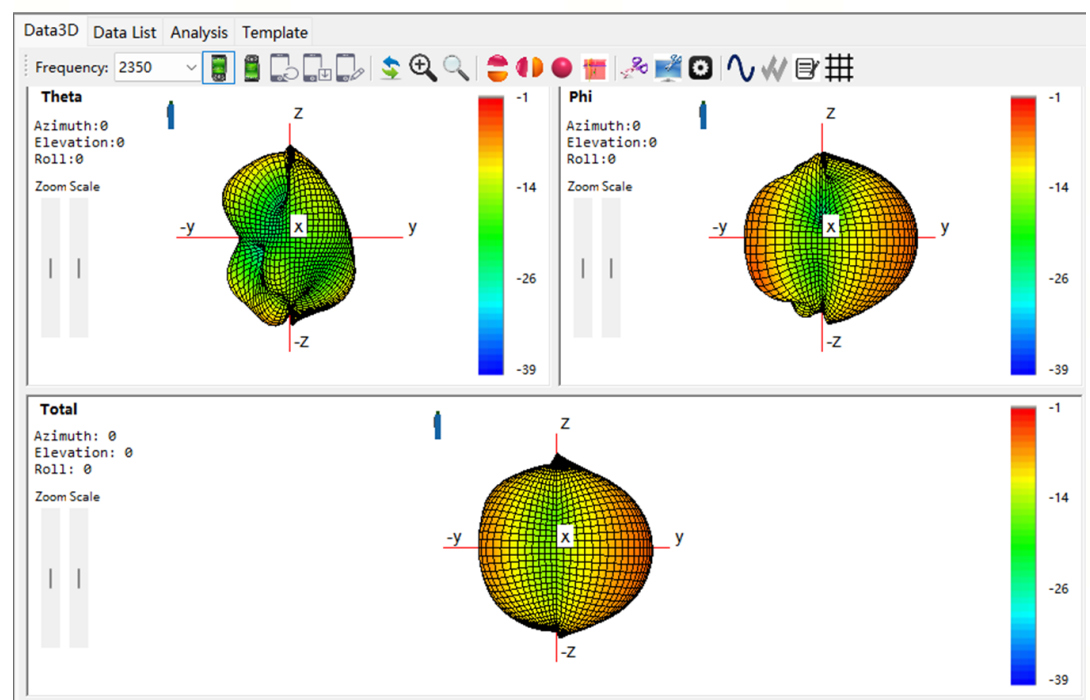
Frequency

1950MHz



Frequency

2350MHz

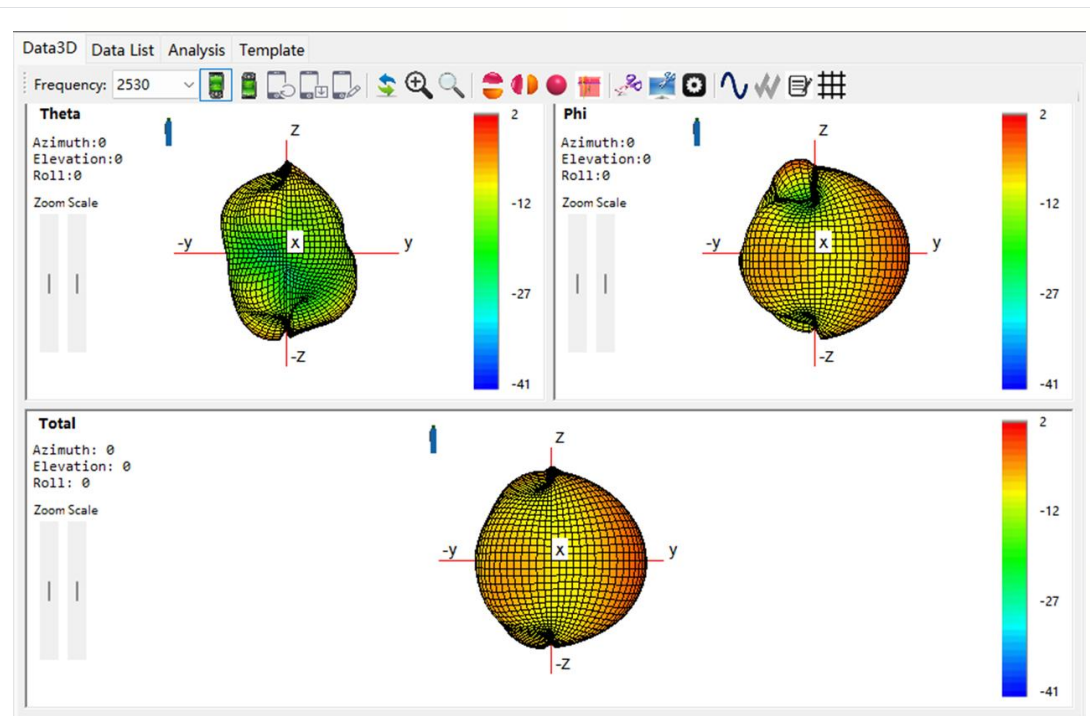


Frequency

2535MHz

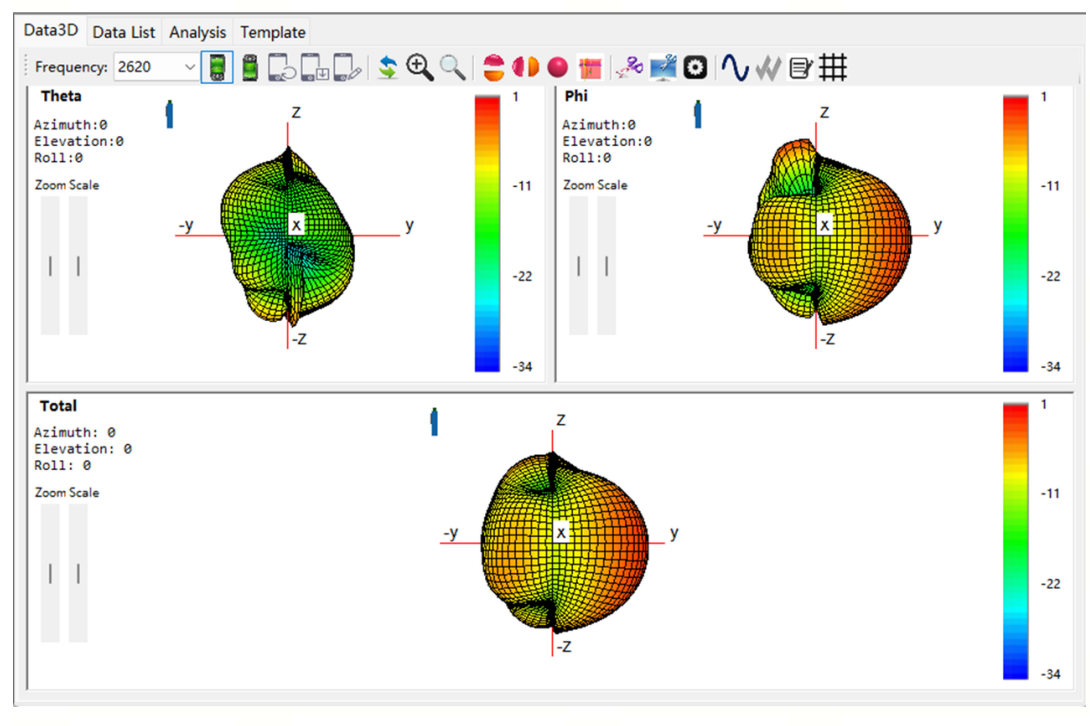
温倩 5931

温倩 5931



Frequency

2620MHz



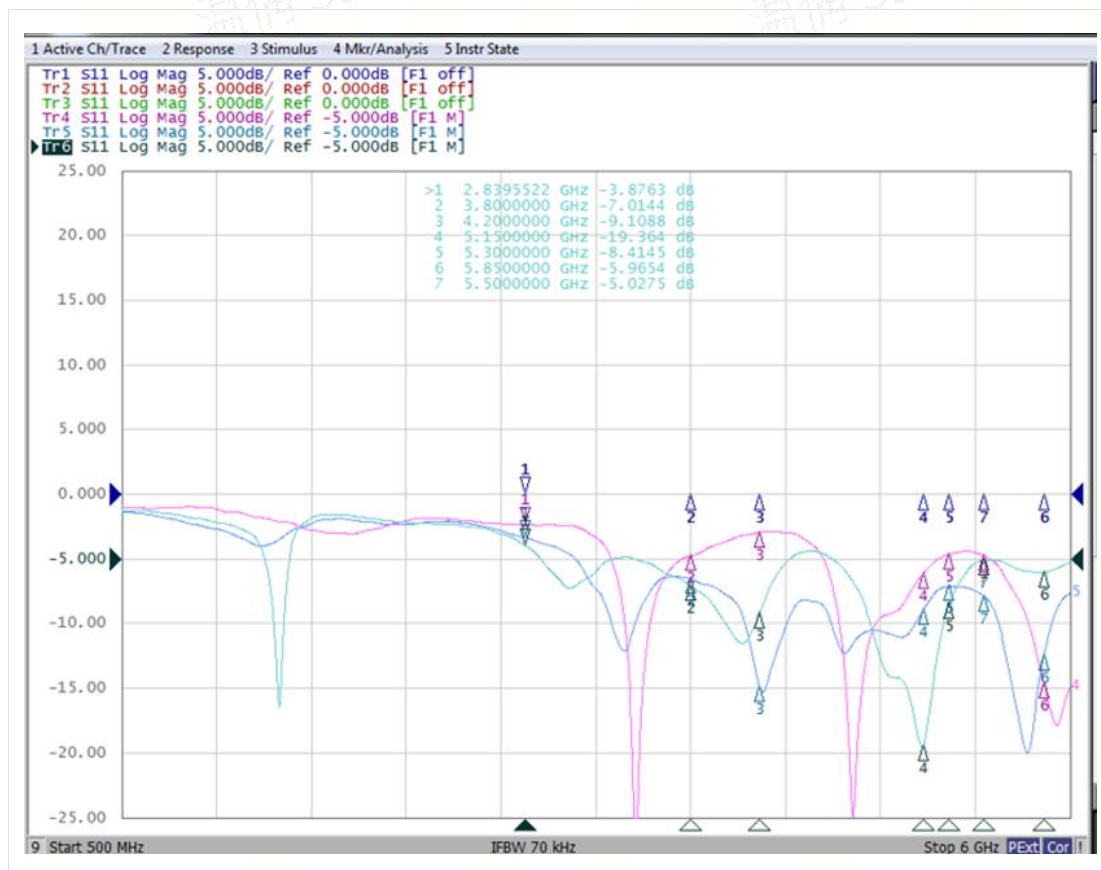
温倩 5931

温倩 5931

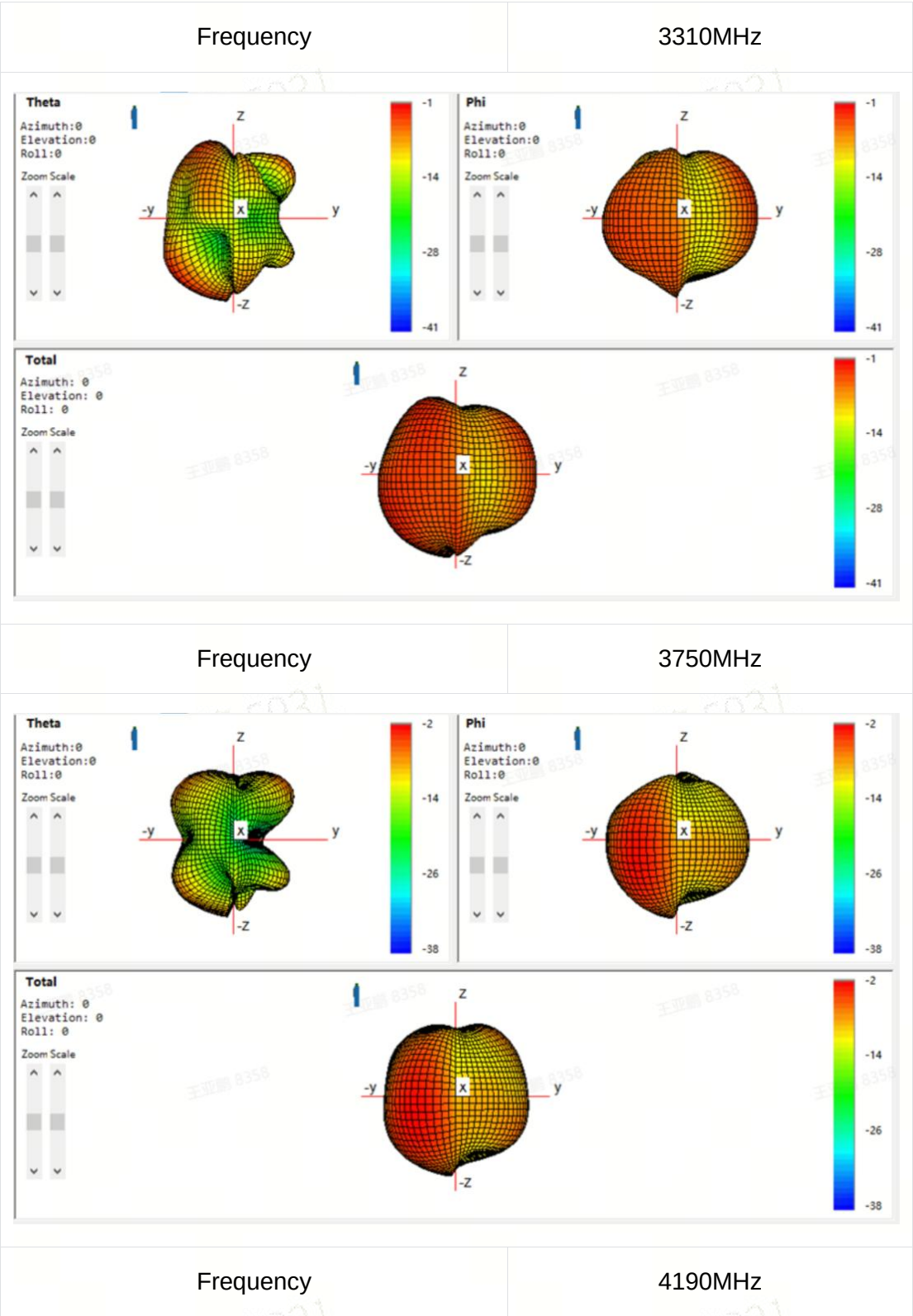
ANT 6

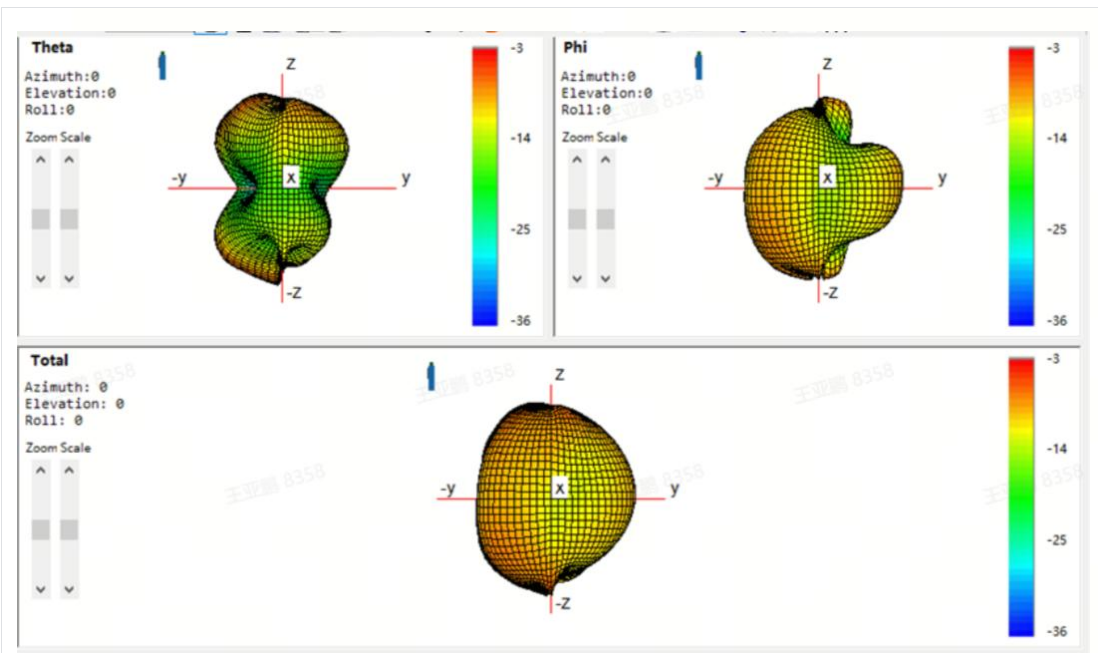
Bands for Antenna 6	Avg.Effi.(dB)	Peak gain(dBi)
5G (5150~5250MHz)	-4.9	-2.43
5G (5250~5350MHz)	-5.1	-2.17
5G (5470~5725MHz)	-5.6	-3.9
5G (5470~5850MHz)	-5	-4.2
6G (5925-6425GHz)	-7	-3.1
6G (6425-6525GHz)	-8.2	-2.8
6G (6525-6875GHz)	-8	-2.5
6G (6875-7125GHz)	-8	-2.4

S 参数



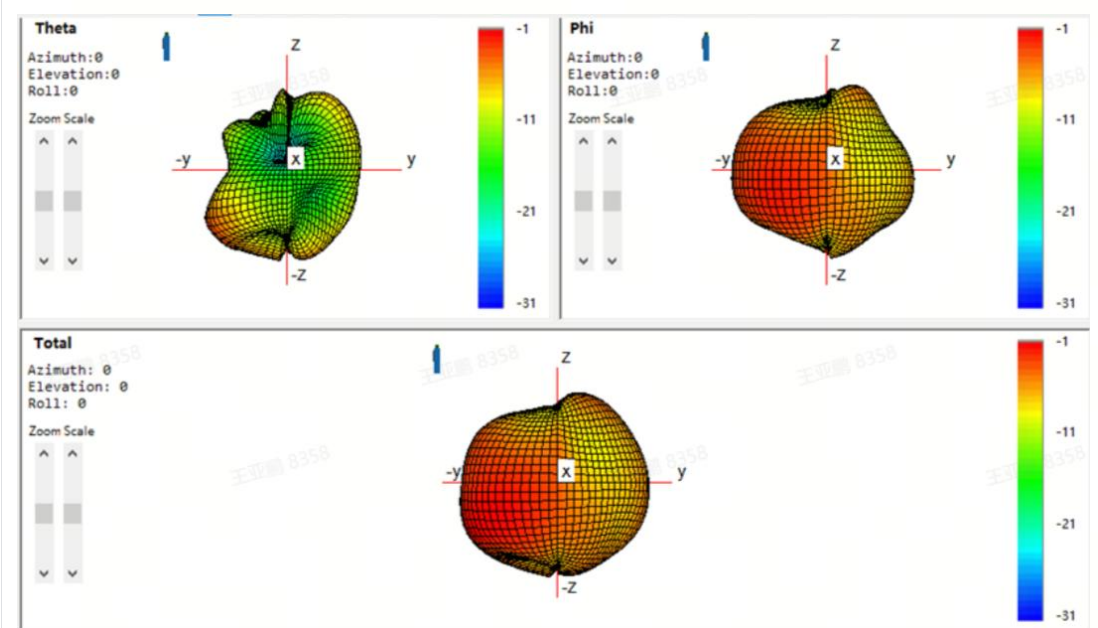
方向图





Frequency

5180MHz

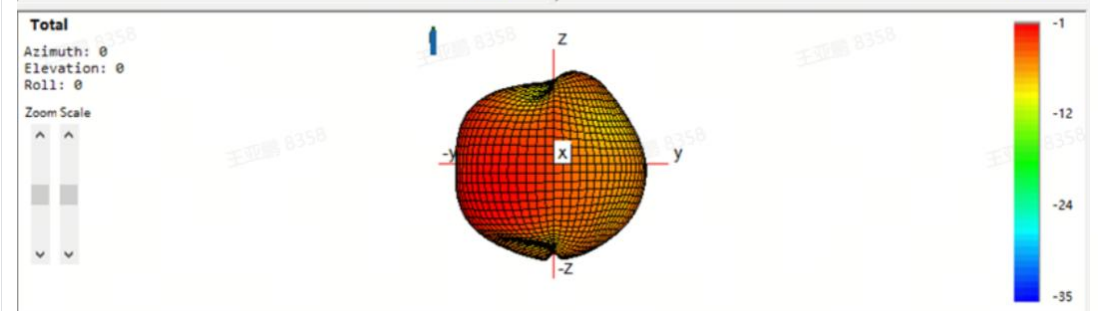
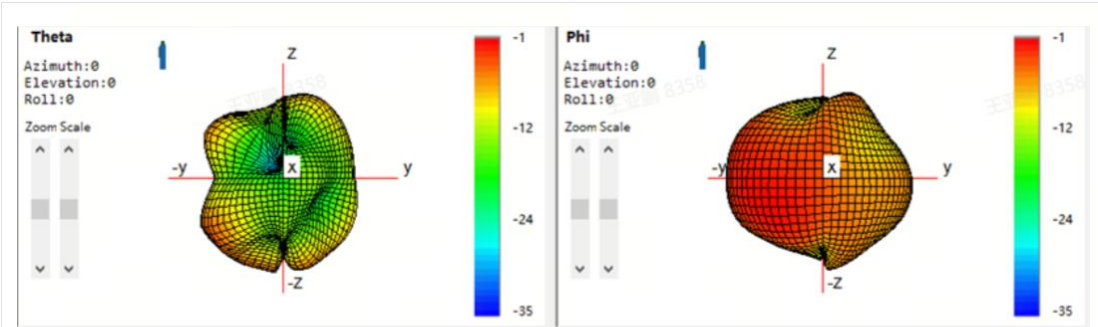


Frequency

5280MHz

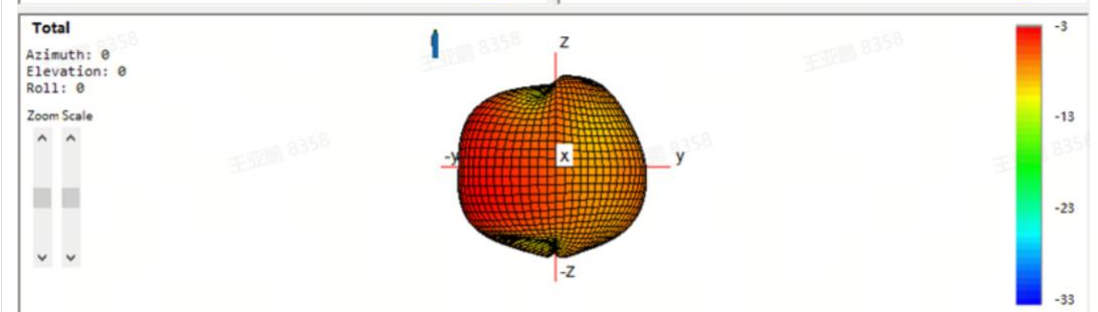
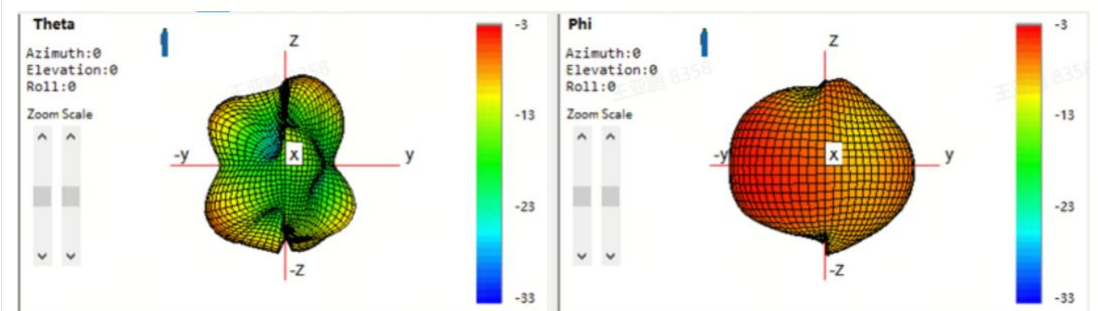
温倩 5931

温倩 5931



Frequency

5500MHz

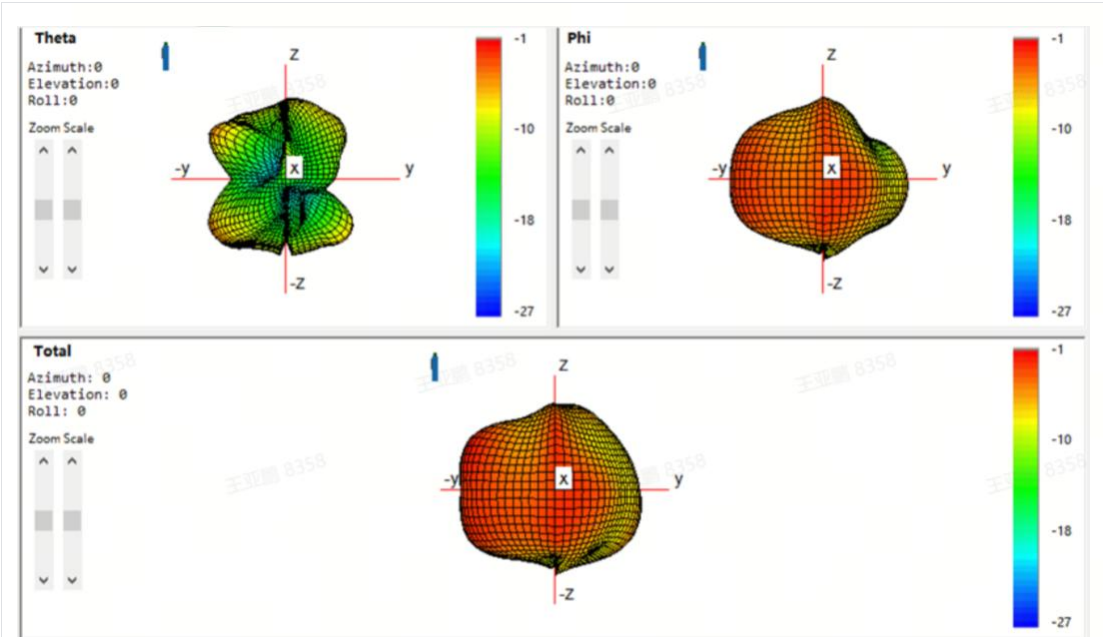


Frequency

5785MHz

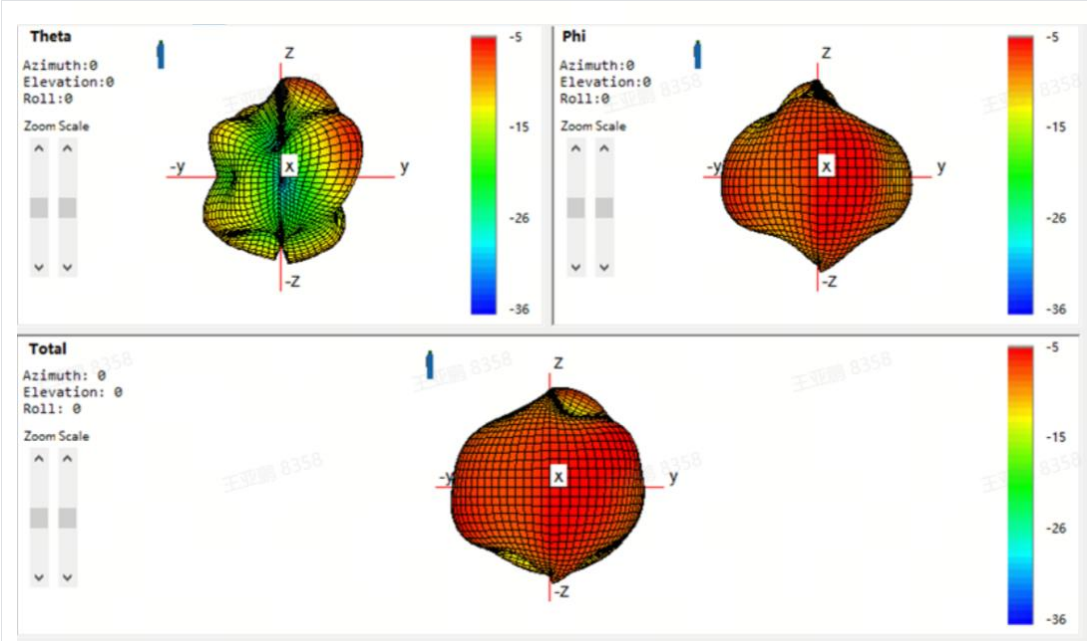
温倩 5931

温倩 5931



Frequency

6250MHz

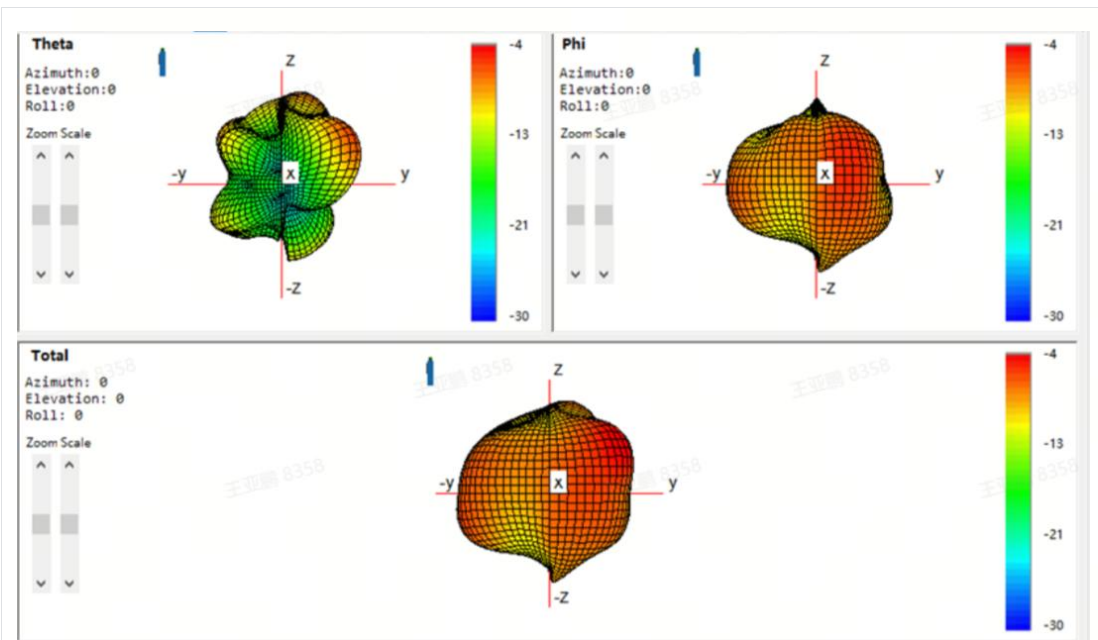


Frequency

6450MHz

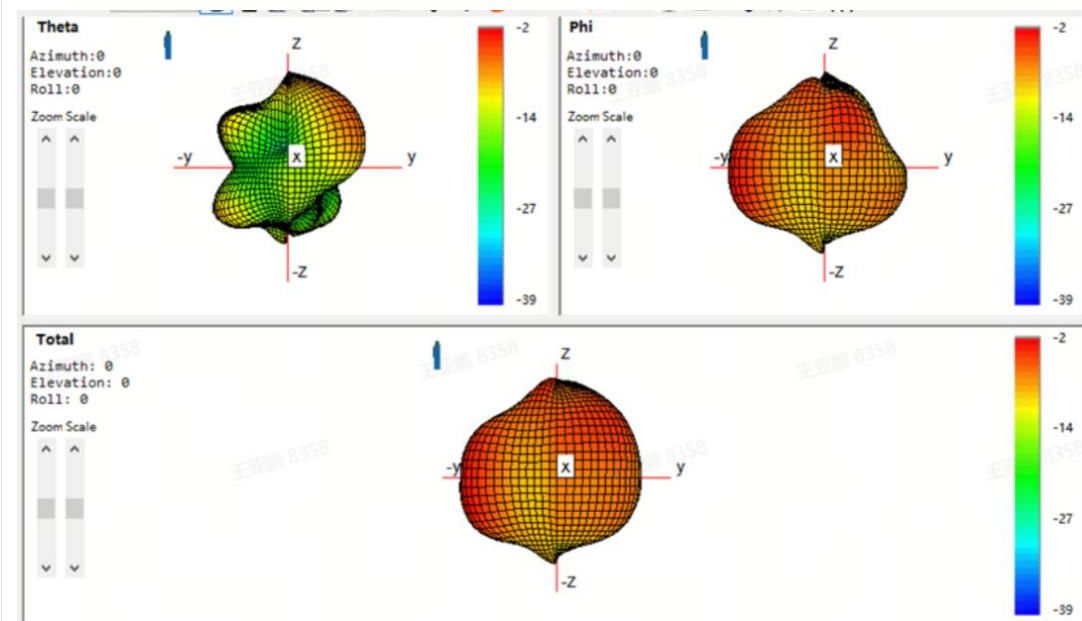
温倩 5931

温倩 5931



Frequency

6700MHz

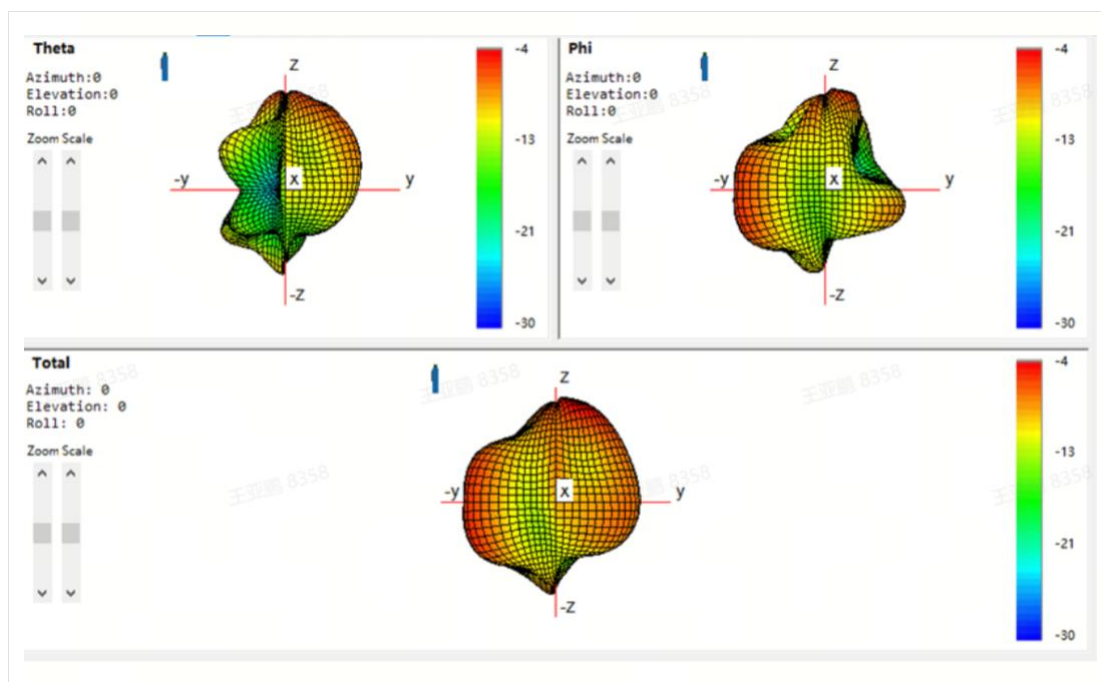


Frequency

7000MHz

温倩 5931

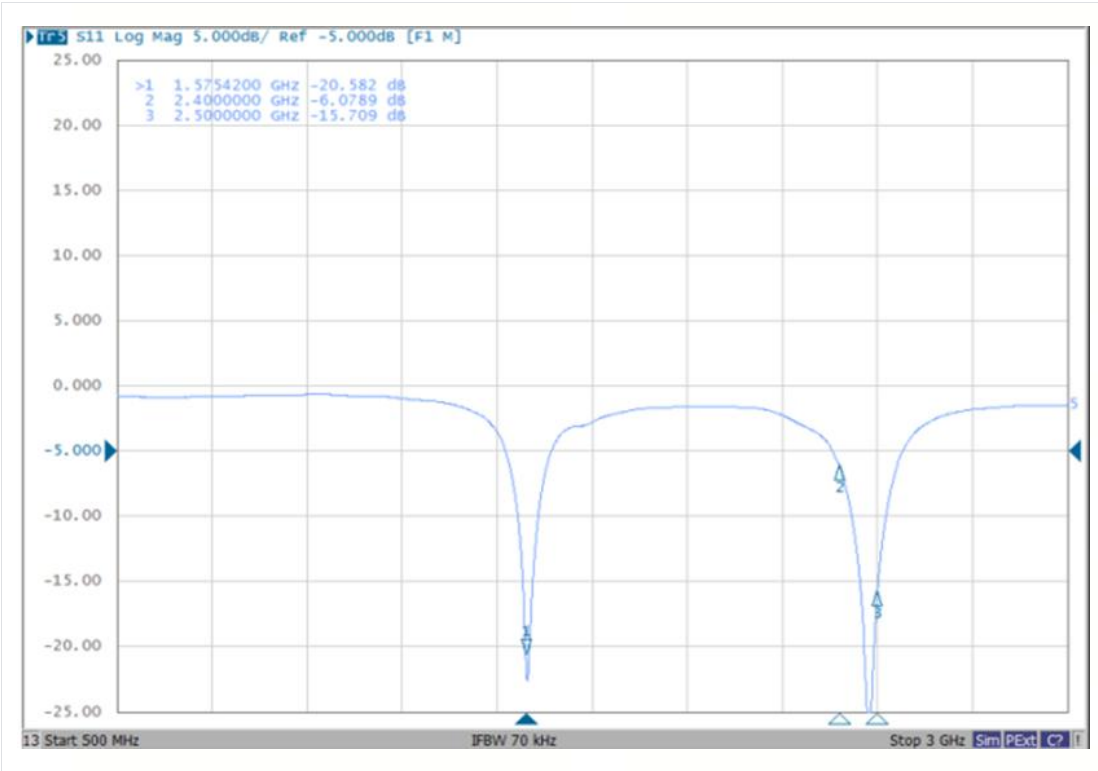
温倩 5931



ANT 11

Band for Antenna 11	Avg.Effi.(dB)	Peak gain(dBi)
2.4G(2400~2485MHz)	-5.4	-2.4
Bluetooth	-5.4	/

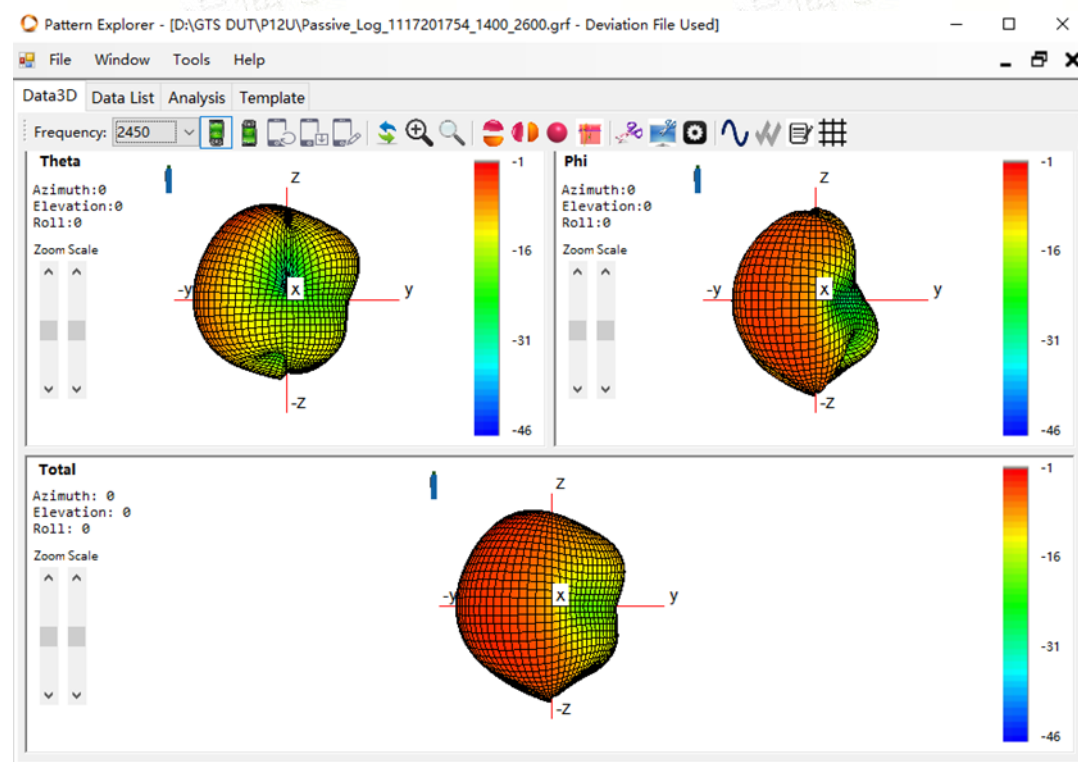
S 参数



方向图

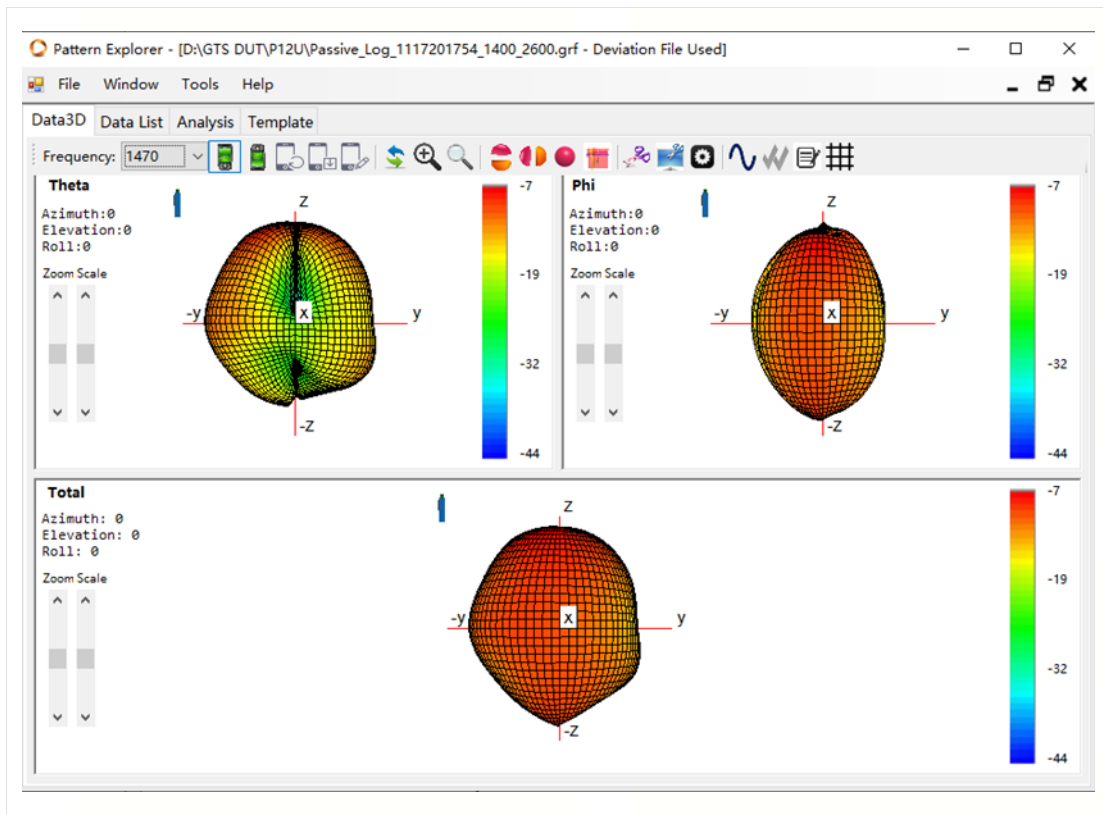
Frequency

2450MHz



Frequency

1470MHz

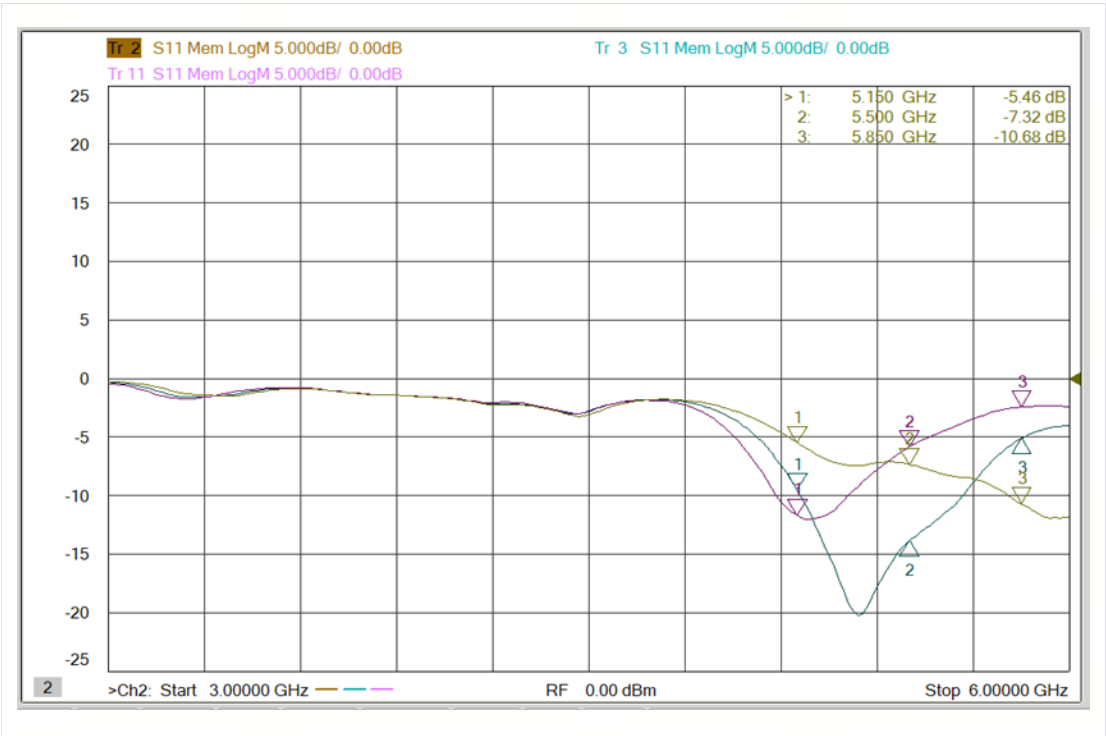


ANT 13

Band for Antenna 13	温倩 5931	
	Avg.Effi.(dB)	Peak gain(dBi)
5G (5150~5250MHz)	-5	-2.43
5G (5250~5350MHz)	-4.8	-2.17
5G (5470~5725MHz)	-4.8	-3.9
5G (5725~5850MHz)	-5.5	-4.2
6G (5925- 6425GHz)	-10	-3.1

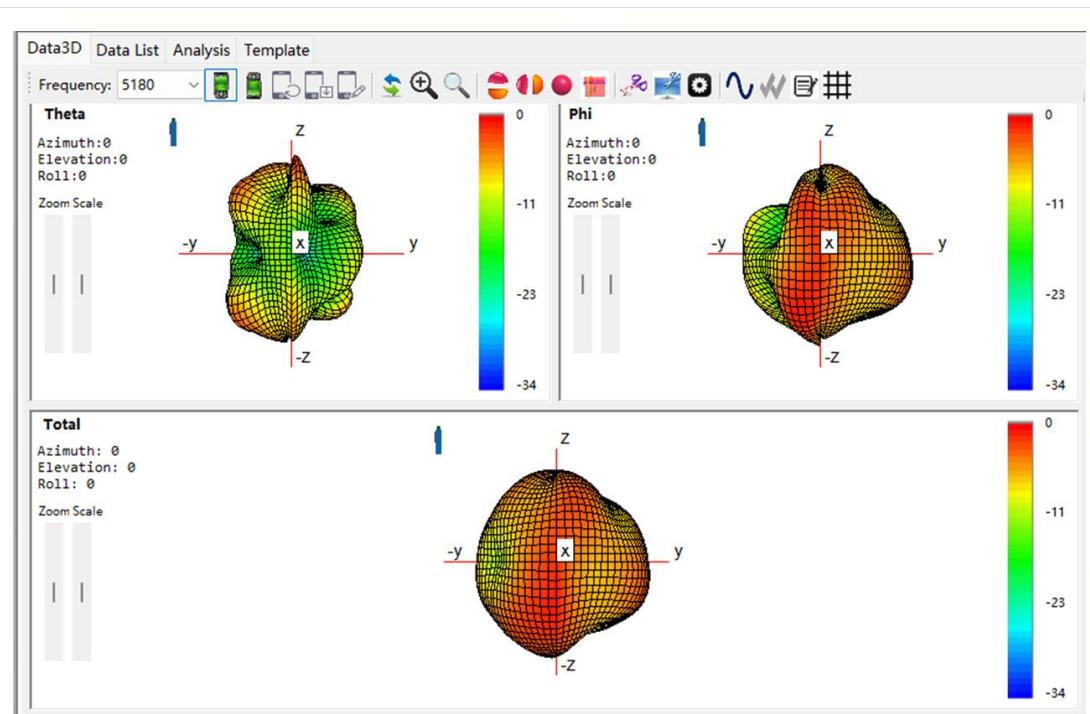
6G (6425-6525GHz)	-12	-2.8
6G (6525-6875GHz)	-12.3	-2.5
6G (6875-7125GHz)	-15.5	-2.4

S 参数



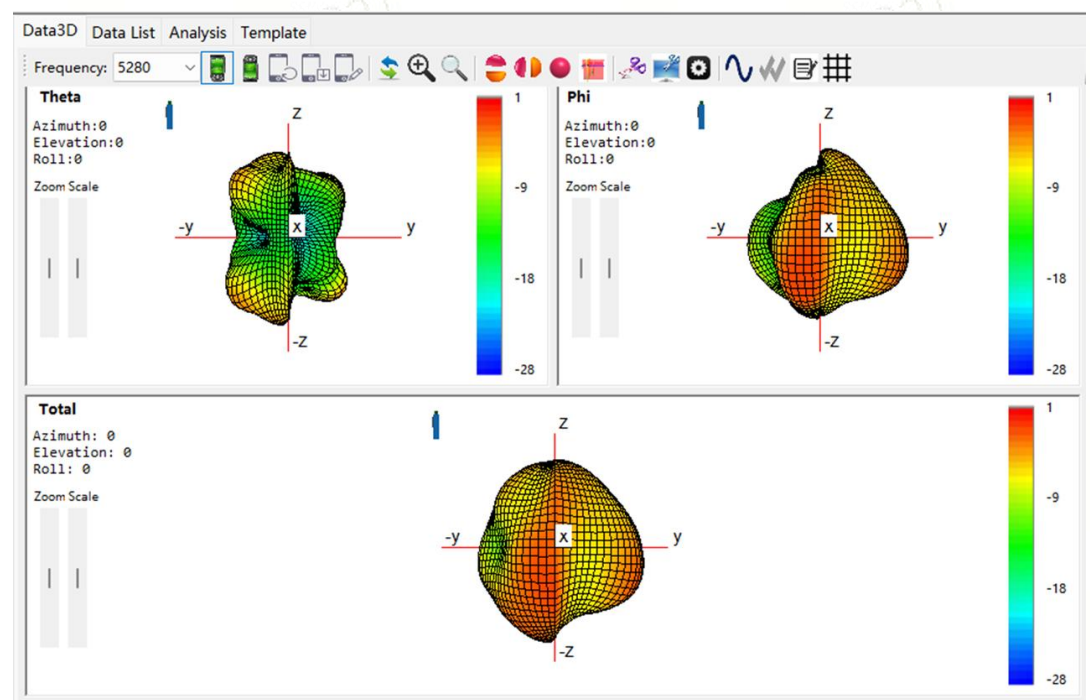
方向图

Frequency	5180MHz
-----------	---------



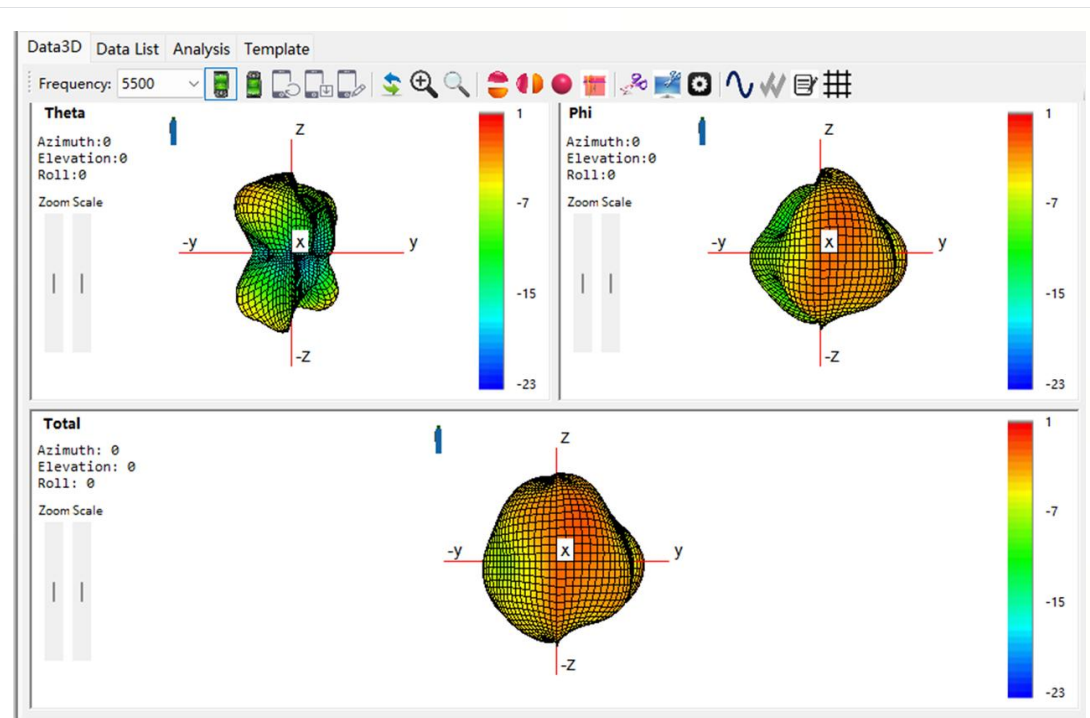
Frequency

5280MHz



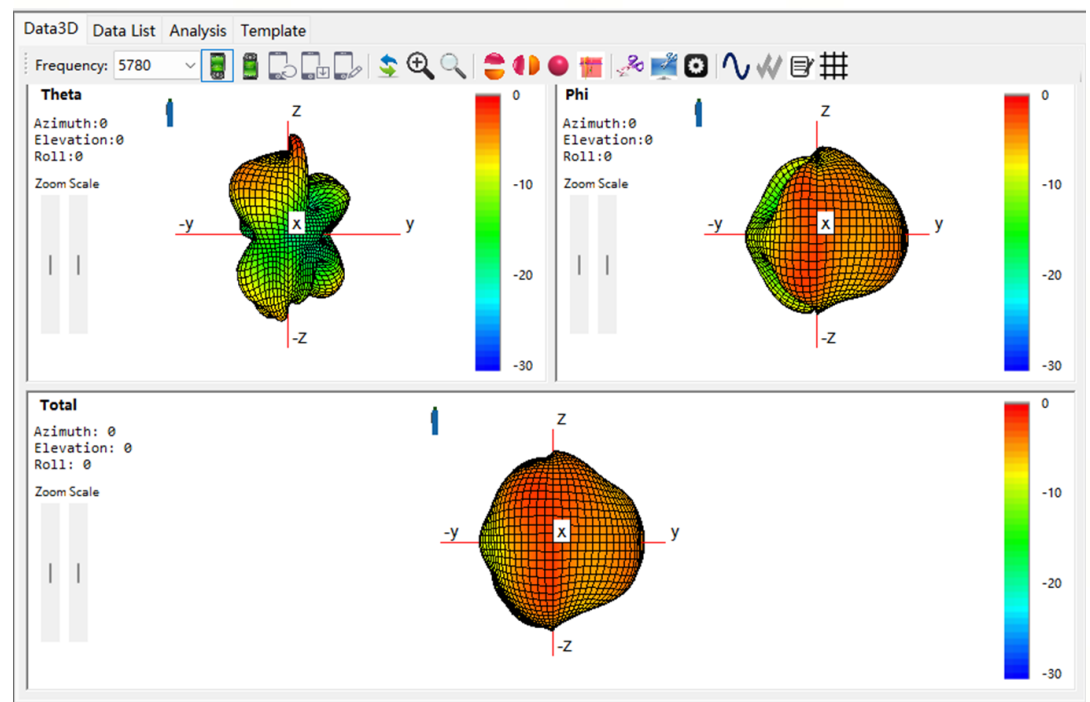
Frequency

5500MHz



Frequency

5785MHz

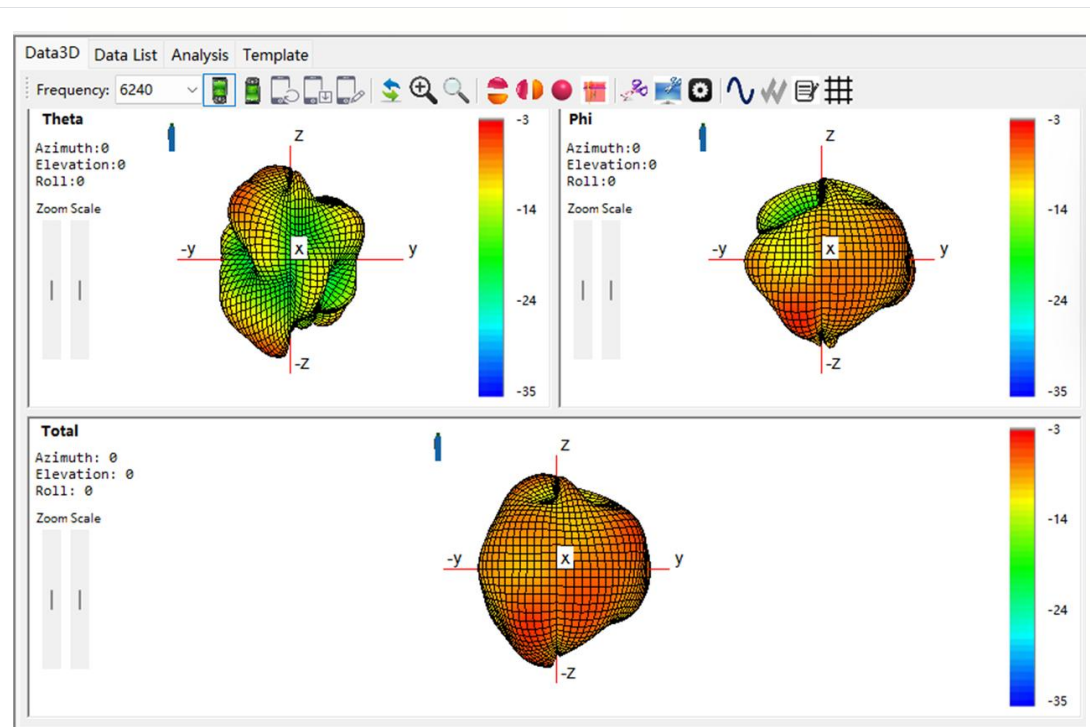


Frequency

6250MHz

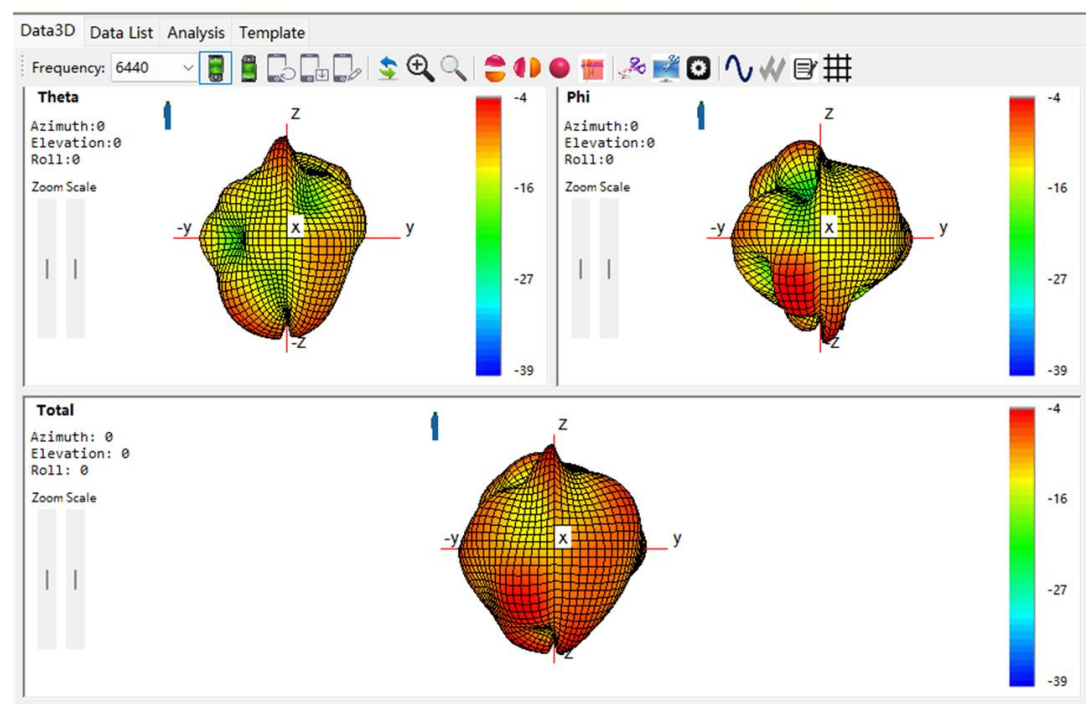
温倩 5931

温倩 5931



Frequency

6450MHz

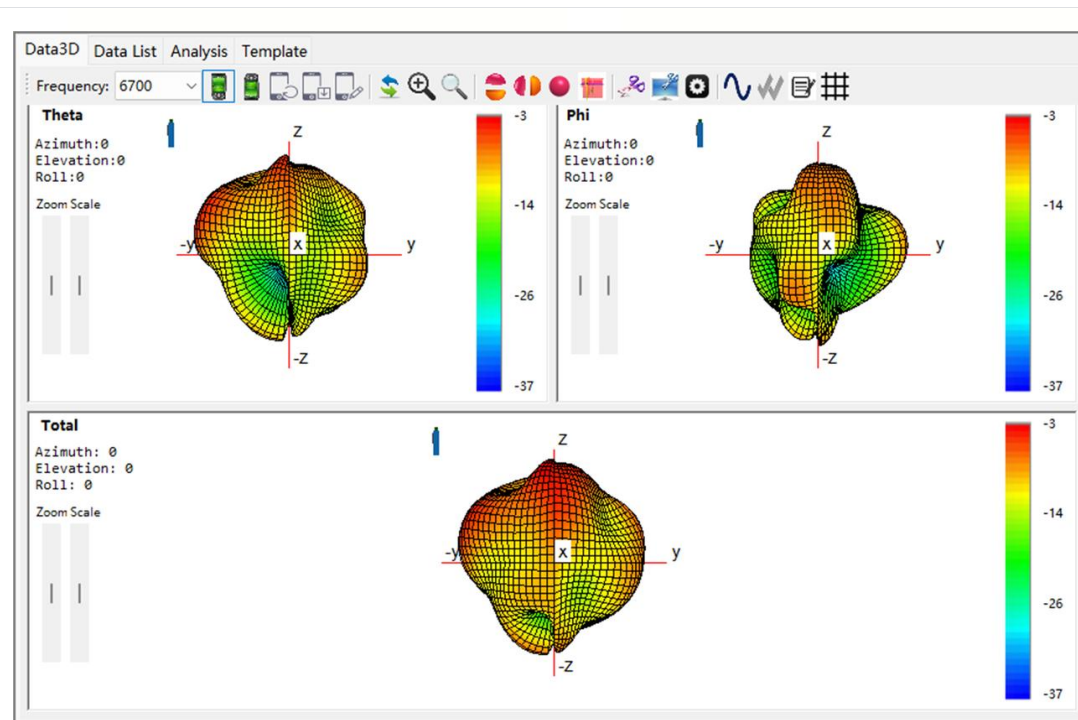


Frequency

6700MHz

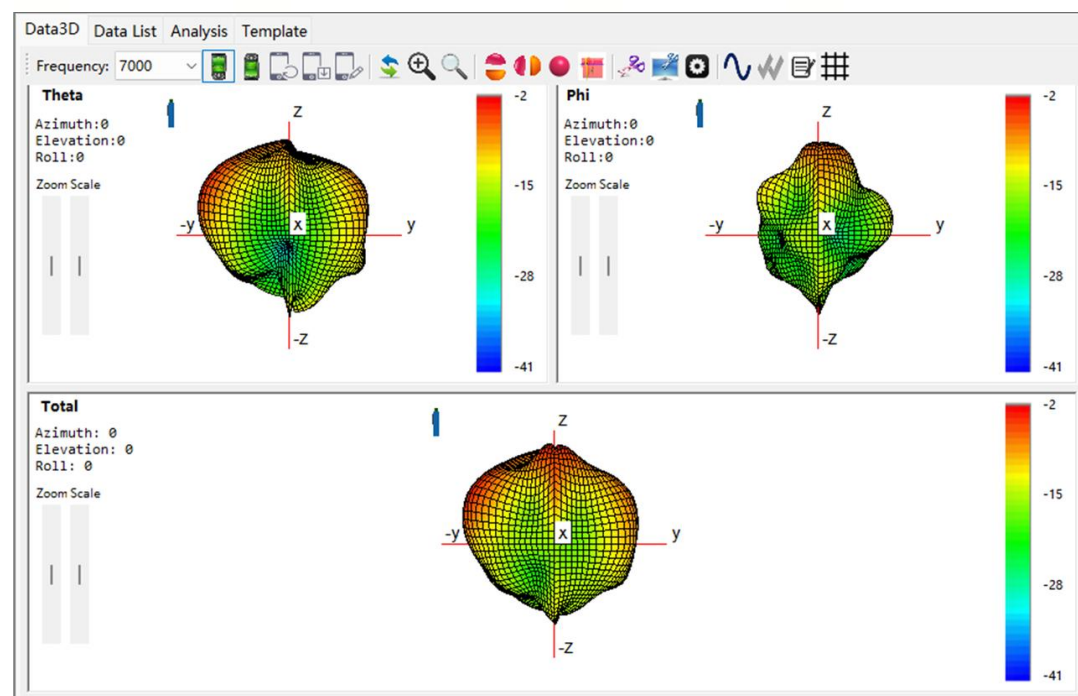
温倩 5931

温倩 5931



Frequency

7000MHz



温倩 5931

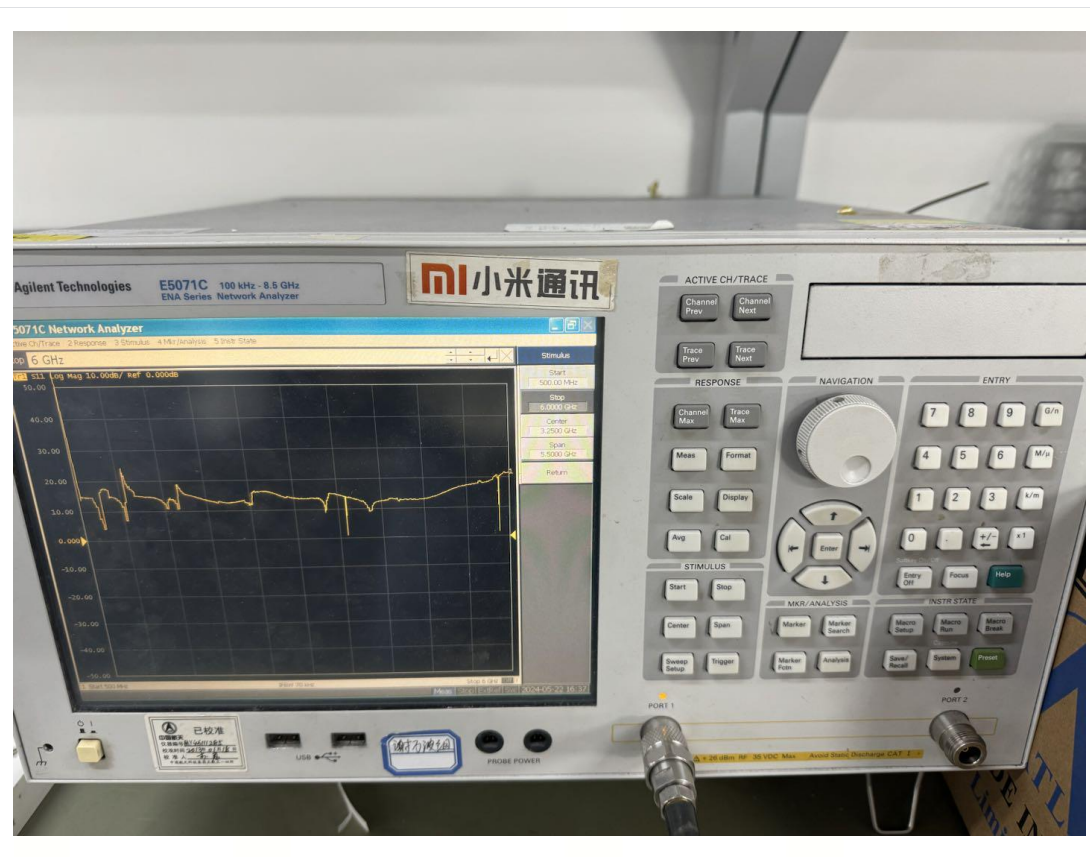
温倩 5931

3. Main Test Instruments

Name	Manufacturer	Model name	Serial Number	Cal., Date	Exp., Date
E5071C	KEYSIGHT	E5071C	EQ80224	2025-4-6	2028-4-6

4. Test Site

Shenzhen



5. The name of the test software

GTS MaxSign- RayZone2800D_Z

6. Signed by the test engineer

Du Peiqin

End of Test Report