



Antenna Performance Description

Applicant: Xiaomi Communications Co., Ltd

Product description: Mobile Phone



1. Antenna information

Antenna	Model Name	Antenna Type	Manufacturer	Test party of Antenna gain
ANT7	P1	PIFA Antenna	Huizhou BYD Electronic Co., Ltd.	Xiaomi Campus, No.33 Xi erqi Middle Road, Haidian District, Beijing
ANT8	P1	PIFA Antenna	Huizhou BYD Electronic Co., Ltd.	Xiaomi Campus, No.33 Xi erqi Middle Road, Haidian District, Beijing
ANT14	P1	PIFA Antenna	Huizhou BYD Electronic Co., Ltd.	Xiaomi Campus, No.33 Xi erqi Middle Road, Haidian District, Beijing
ANT15	P1	PIFA Antenna	Huizhou BYD Electronic Co., Ltd.	Xiaomi Campus, No.33 Xi erqi Middle Road, Haidian District, Beijing
NFC	P1	FPC Antenna	Shenzhen Haidemen Electronic	/



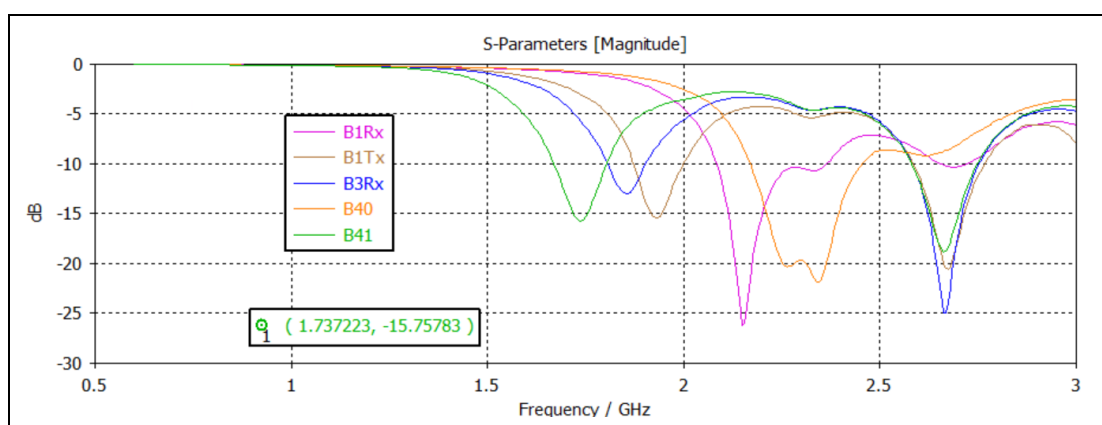
WPT	P1	Coil	Shanghai Demen Electronics Technology Co./Lixun Precision Industry Co	/
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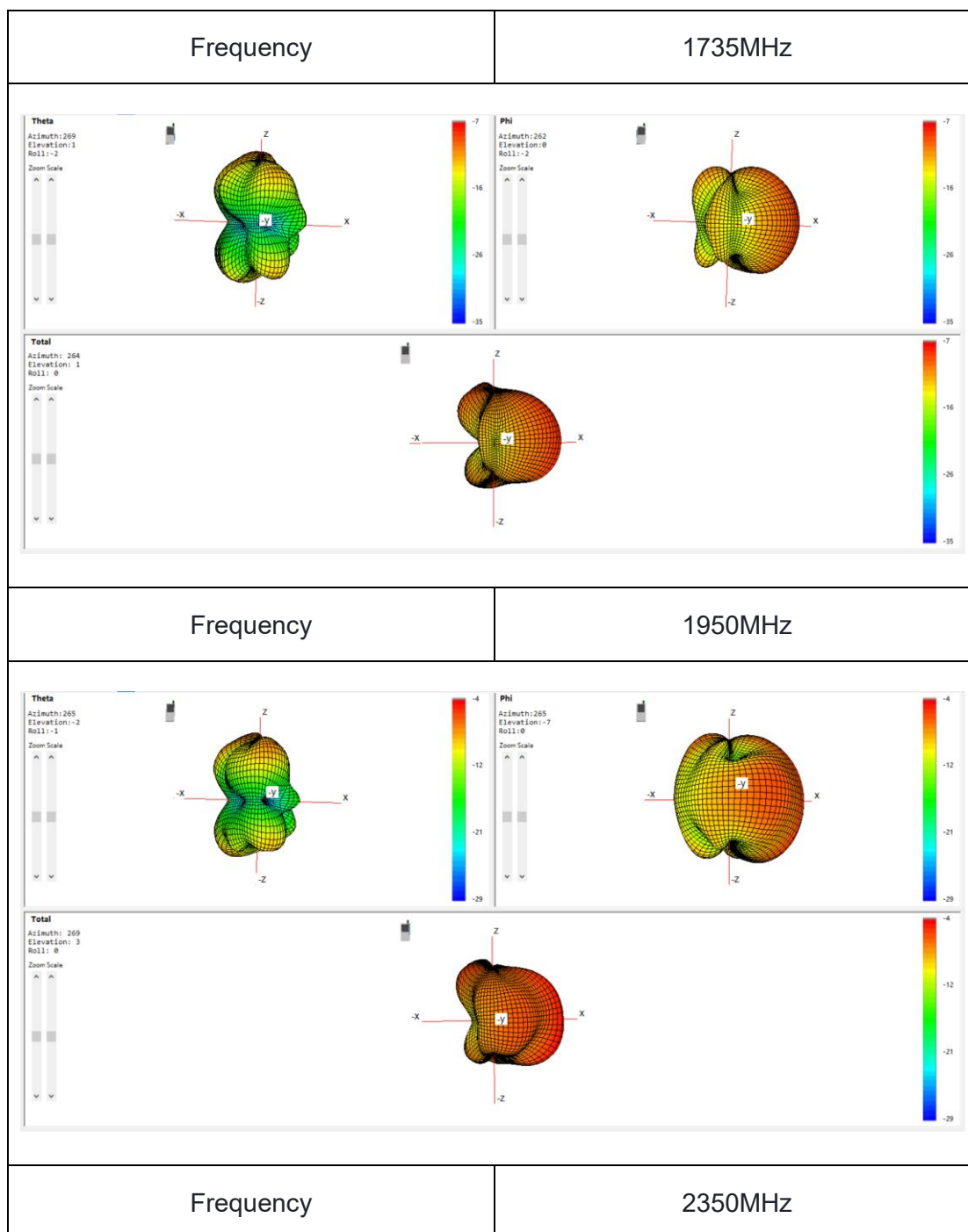
2. Test data

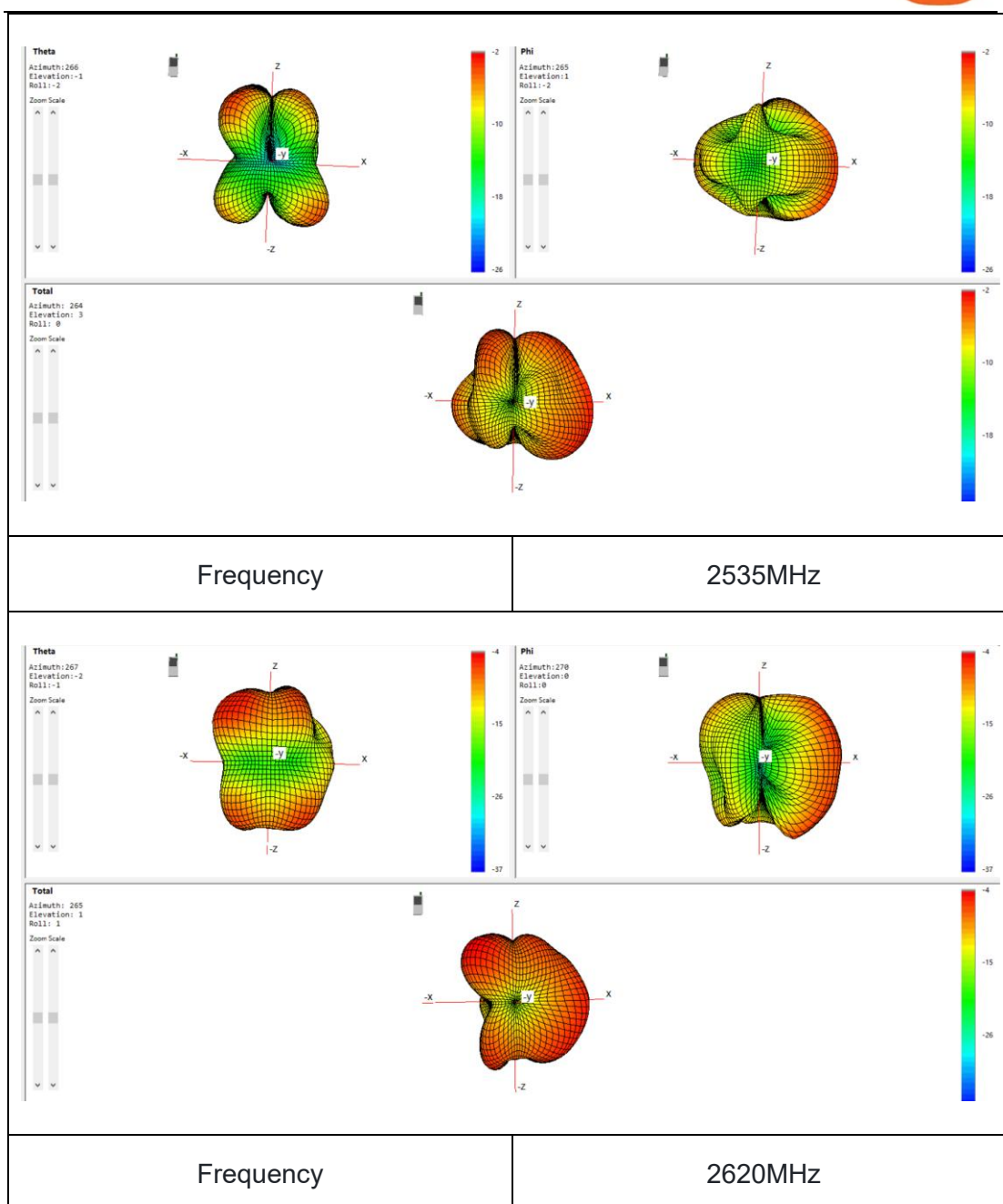
Band for Antenna 7	WIFI2.4G ANT	
	Avg.Effi.(dB)	Peak gain(dBi)
2.4G(2400~2485MHz)	-7.3	0.6
Bluetooth	-7.3	0.6

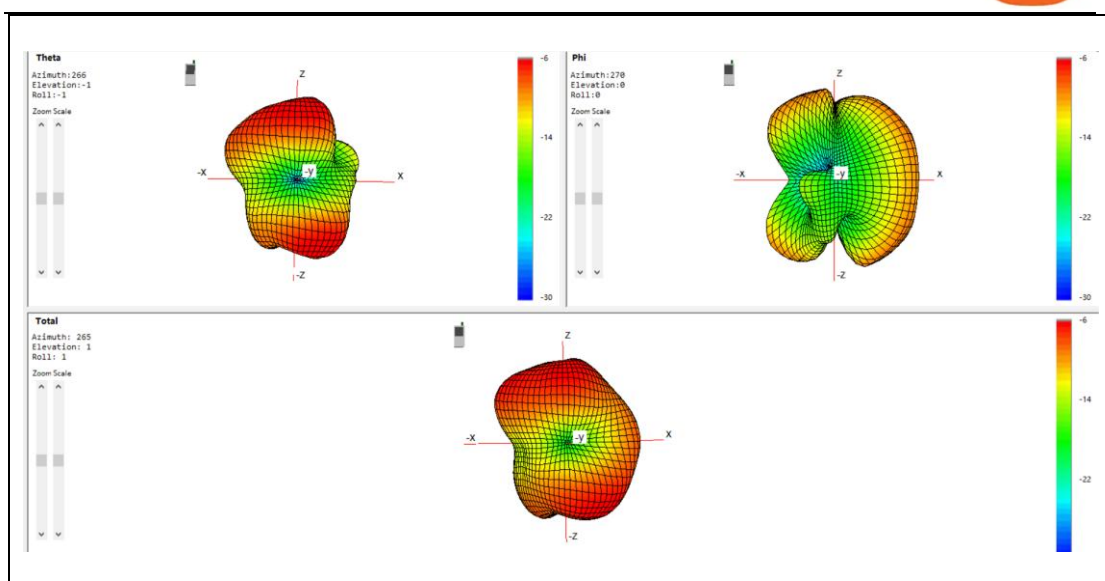
S 参数



方向图

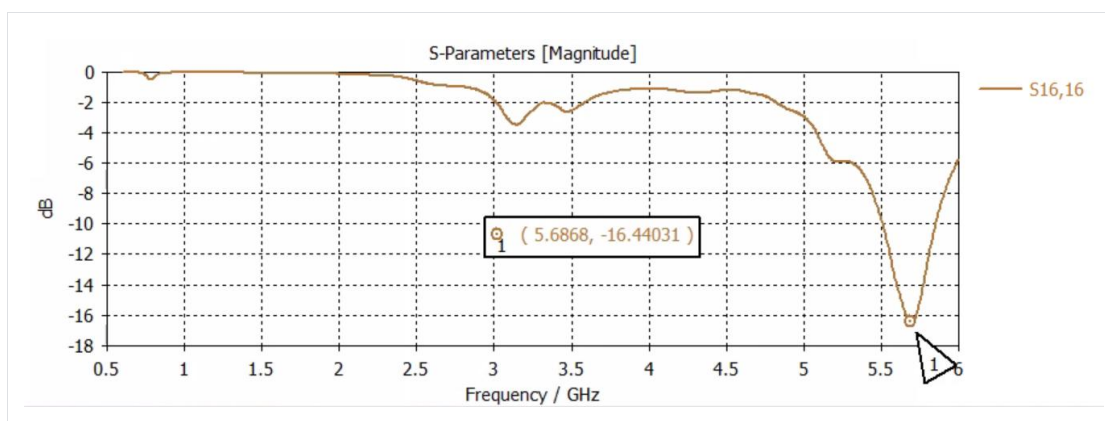




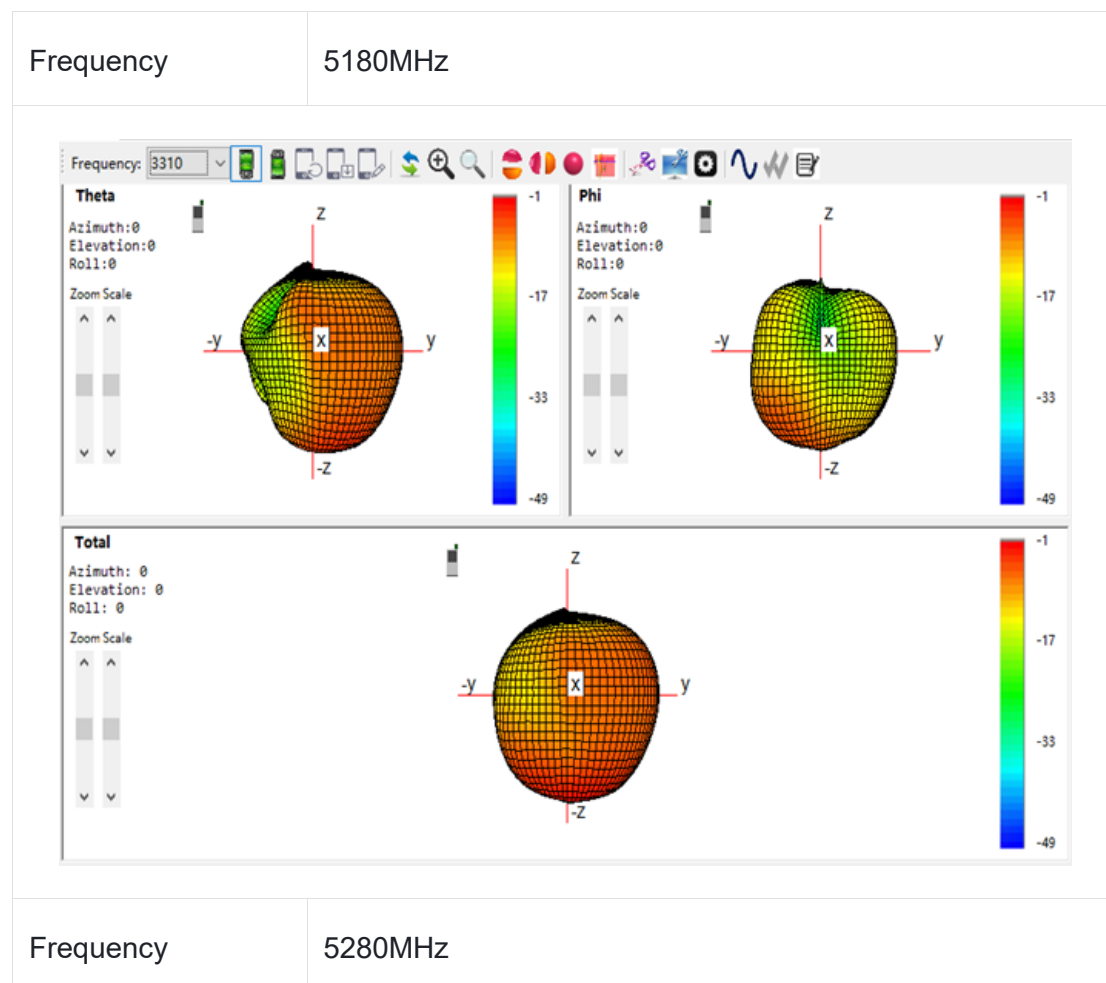


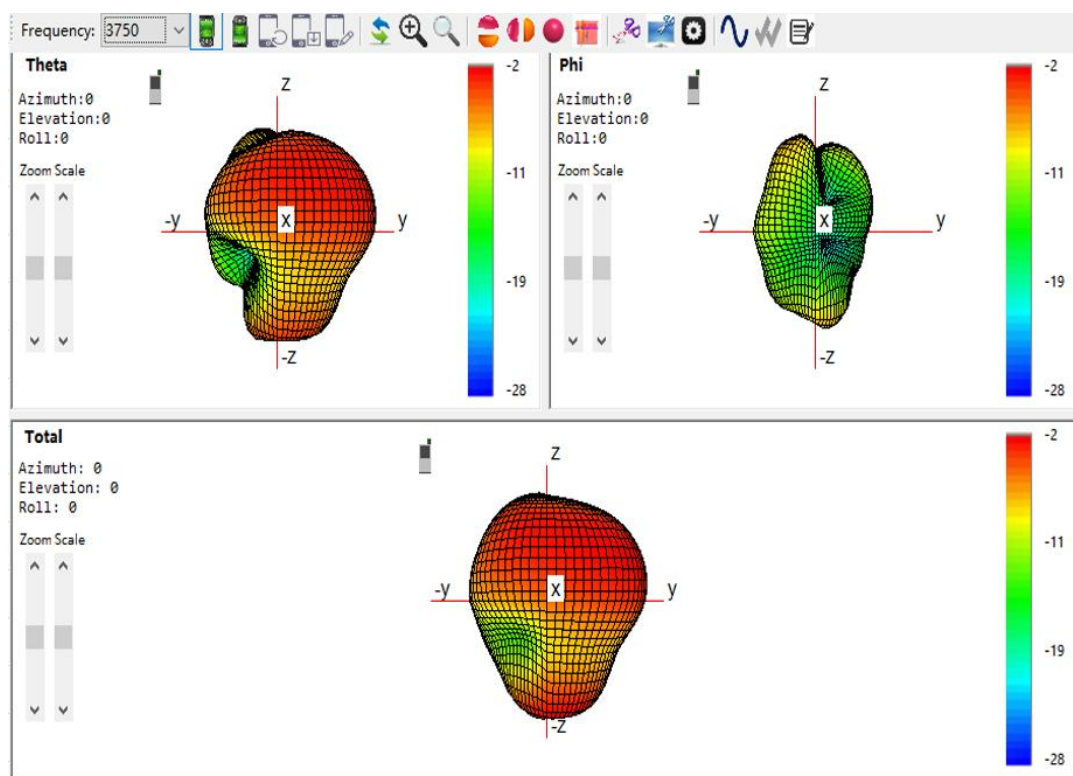
Bands for Antenna 8	WIFI5G/6E ANT	
	Avg.Effi.(dB)	Peak gain(dBi)
5G (5150~5250MHz)	-9.7	-2.2
5G (5250~5350MHz)	-8.3	-2.9
5G (5470~5725MHz)	-7.1	-2.7
5G (5470~5850MHz)	-7.0	-1.5
6G (5925-6425GHz)	-8.0	-0.8
6G (6425-6525GHz)	-8.9	-4.1
6G (6525-6875GHz)	-9.0	-5.2
6G (6875-7125GHz)	-8.6	-6.3

S 参数



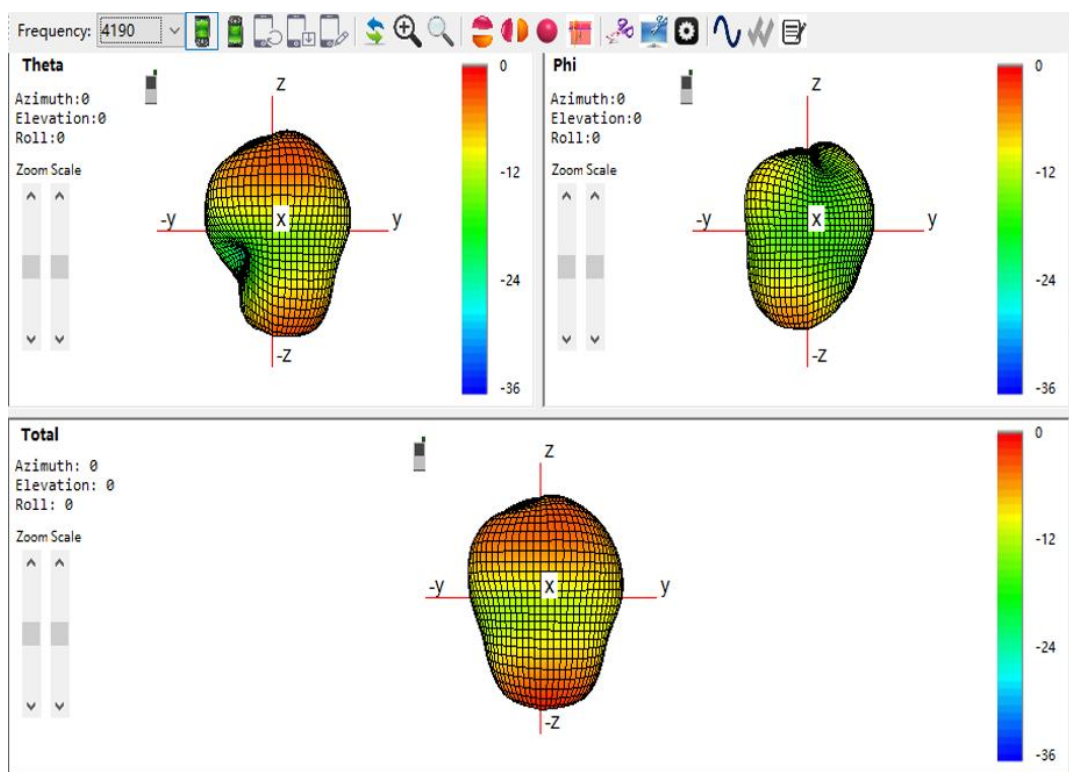
方向图





Frequency

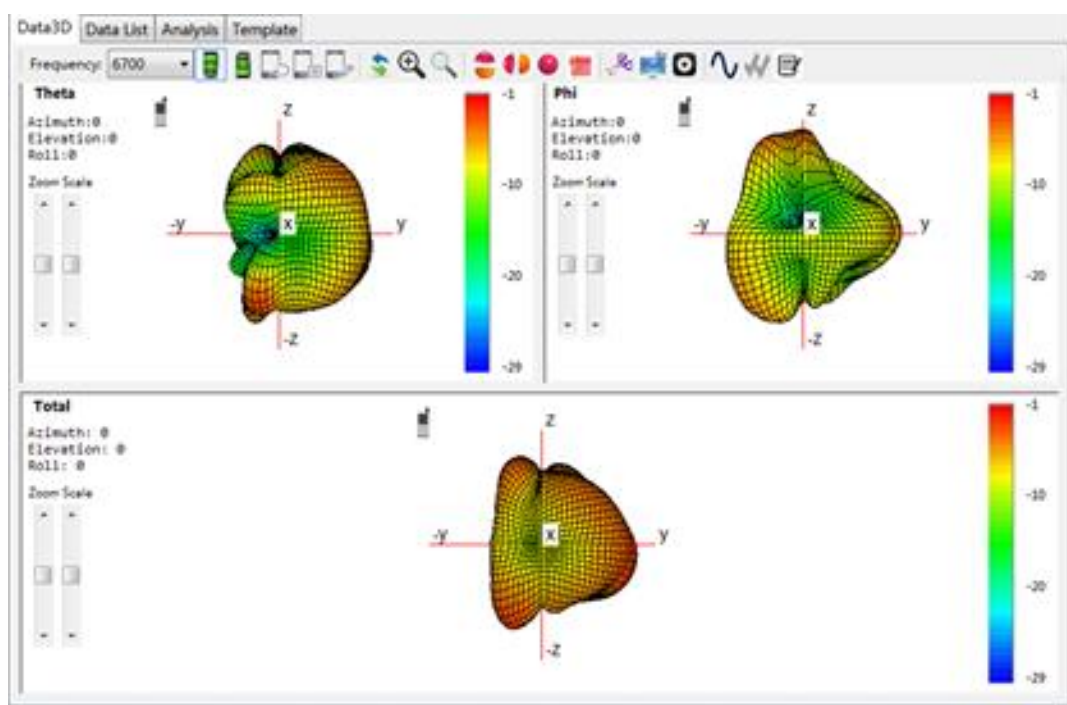
5500MHz





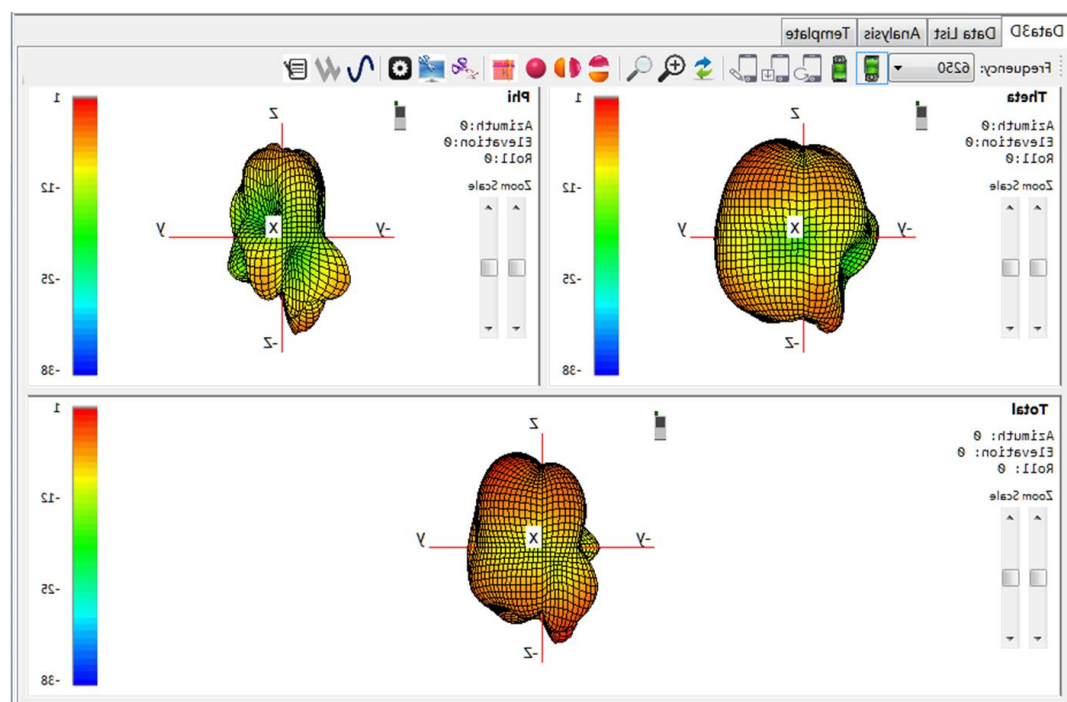
Frequency

5785MHz



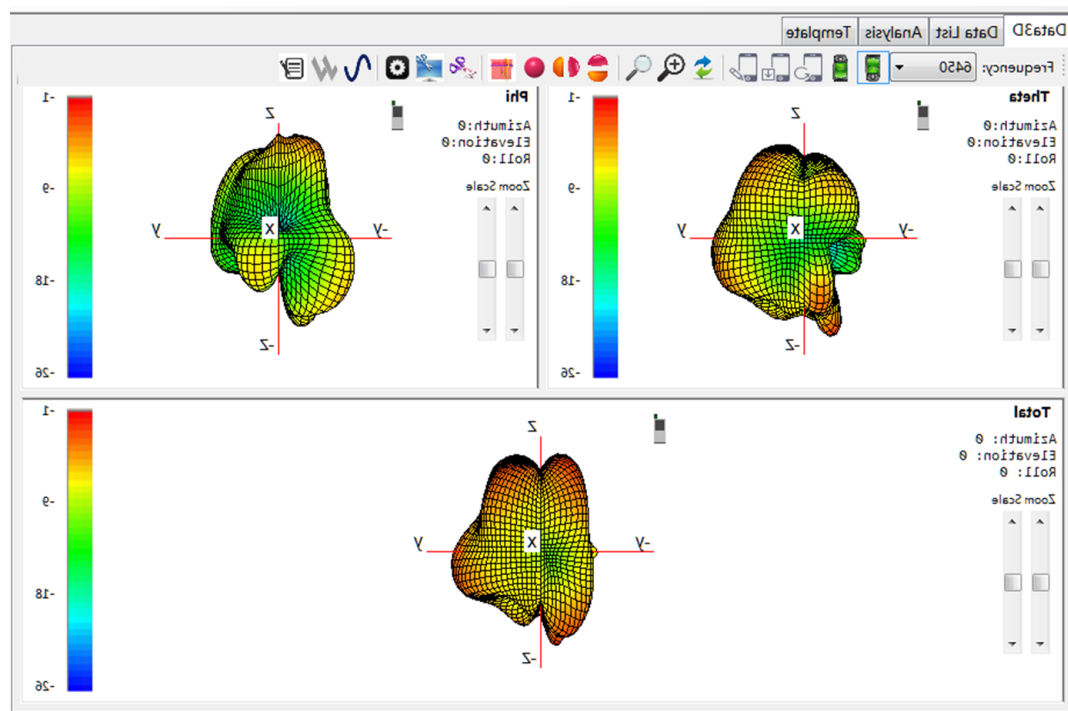
Frequency

6250MHz



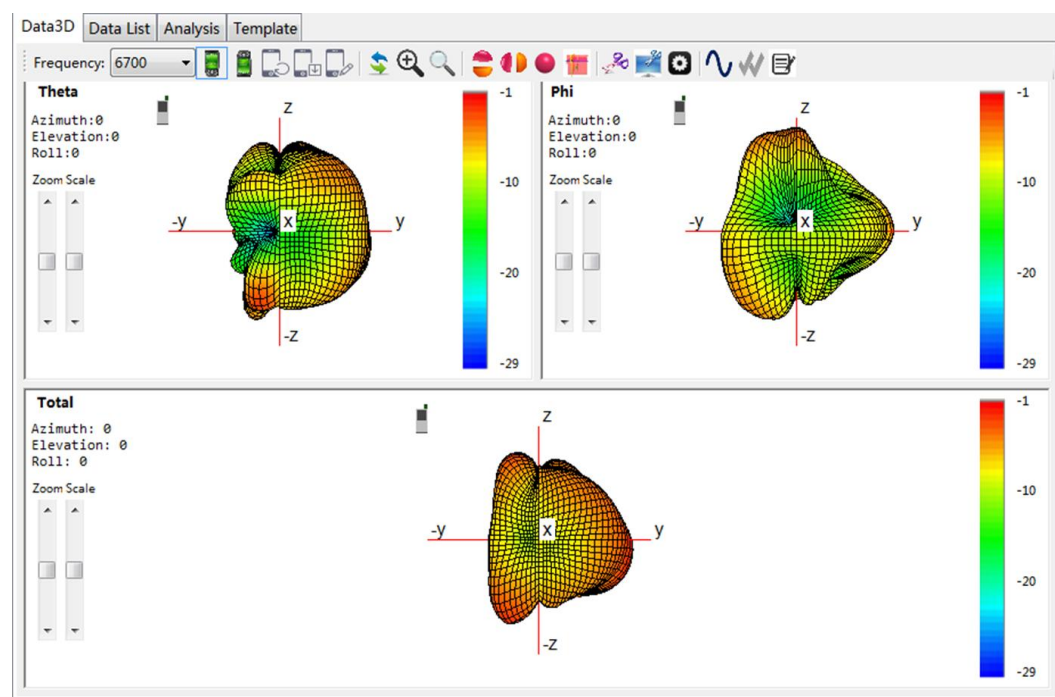
Frequency

6450MHz



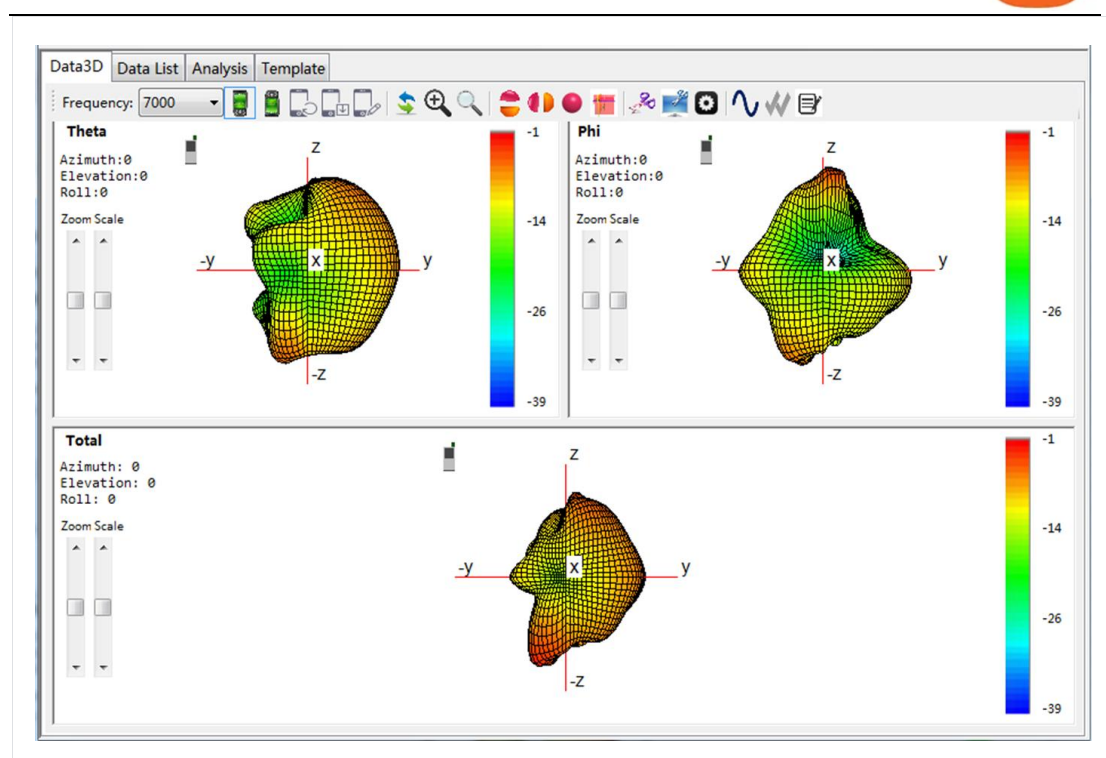
Frequency

6700MHz



Frequency

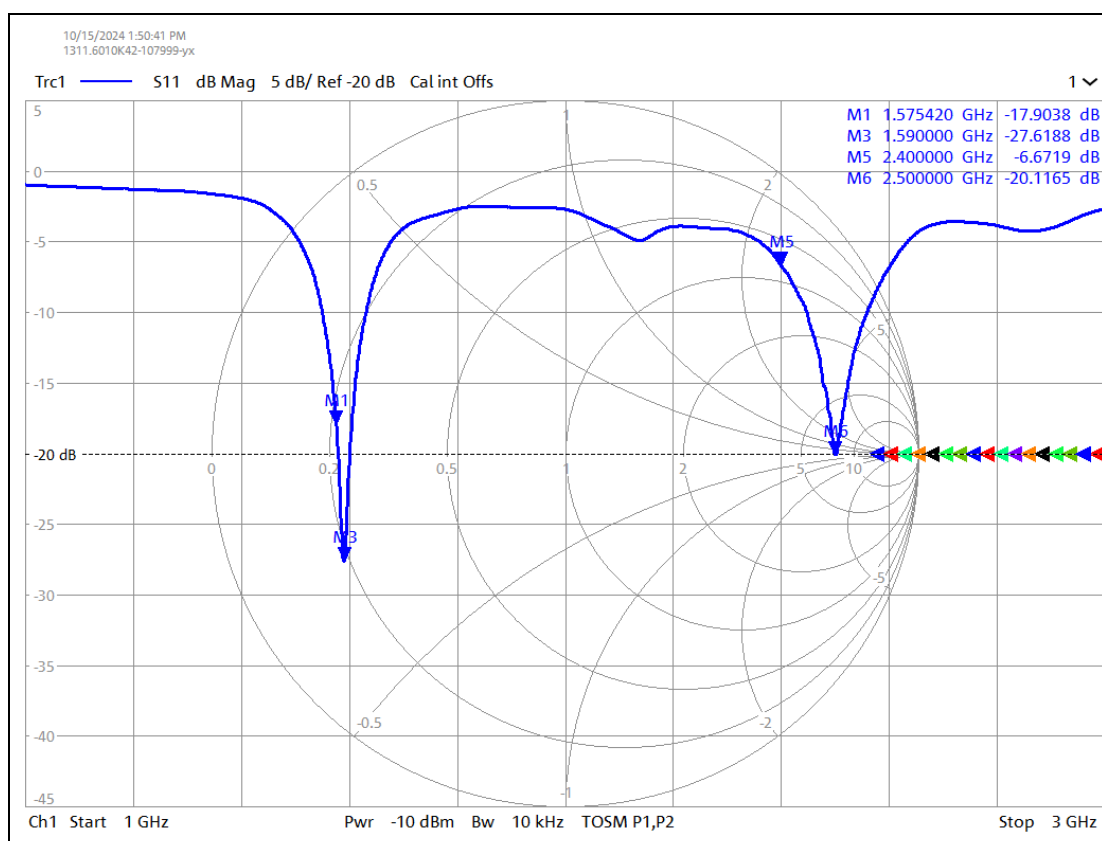
7000MHz



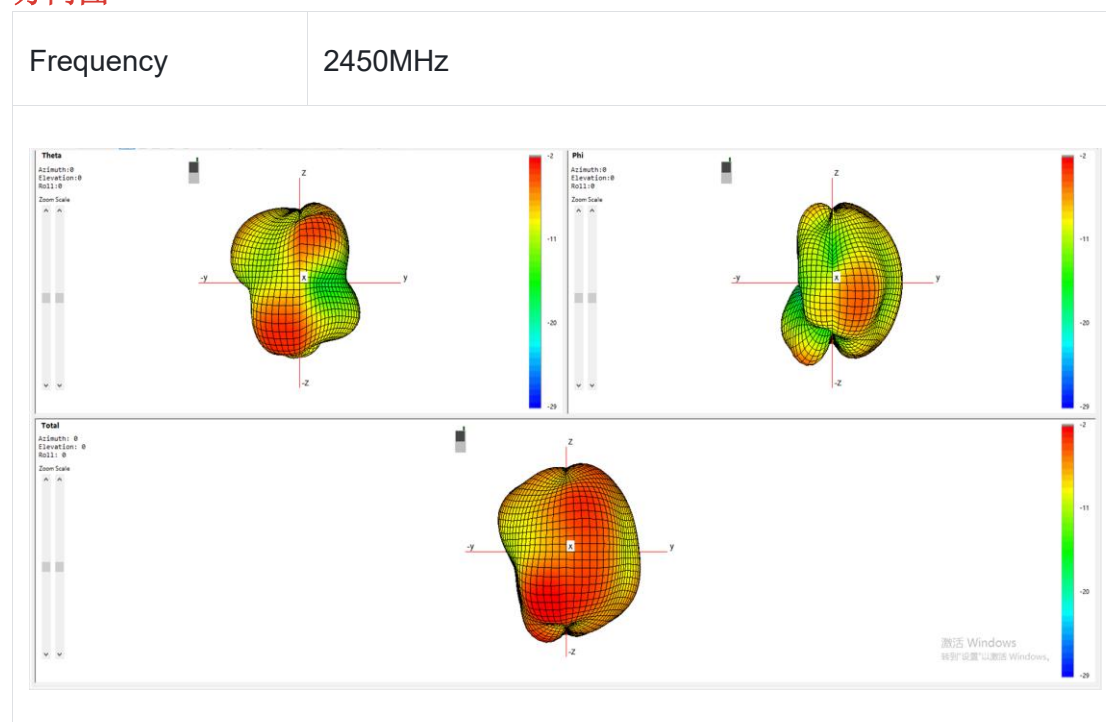


Bands for Antenna 14	WIFI2.4G+BT ANT	
	Avg.Effi.(dB)	Peak gain(dBi)
2.4G(2400~2485MHz)	-6.2	-2.8
Bluetooth	-6.2	-2.8

S 参数



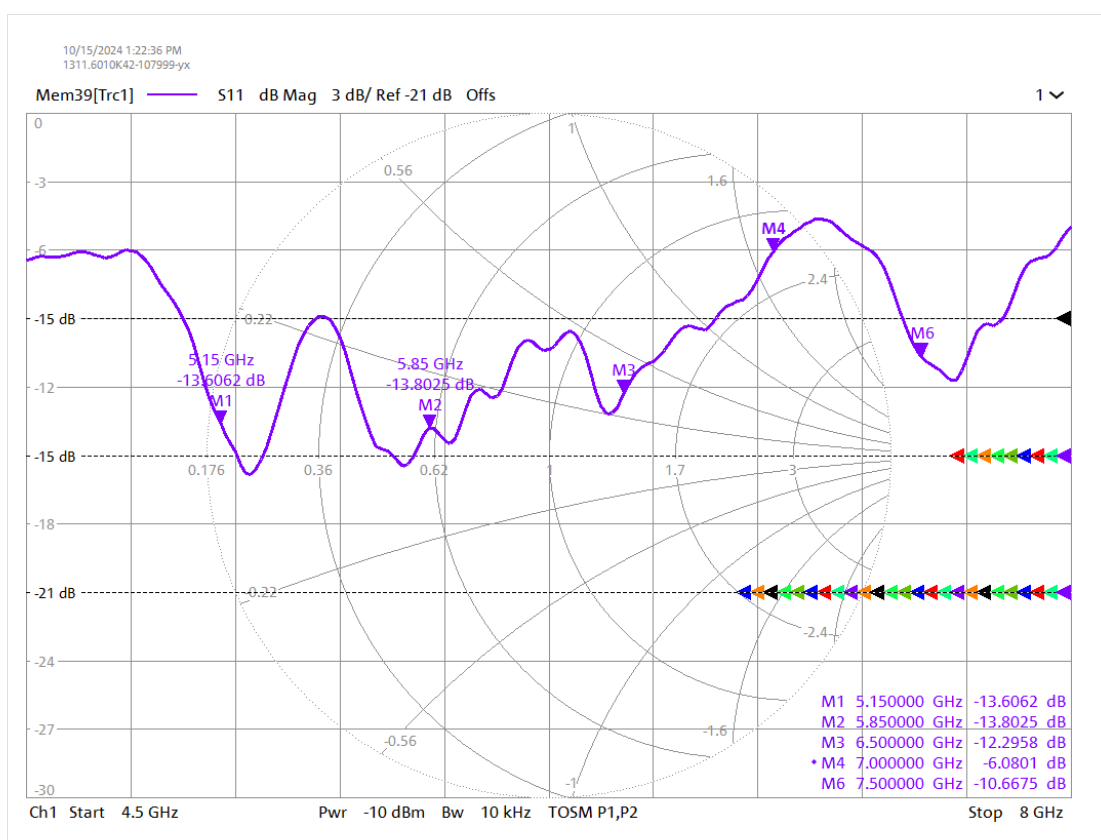
方向图



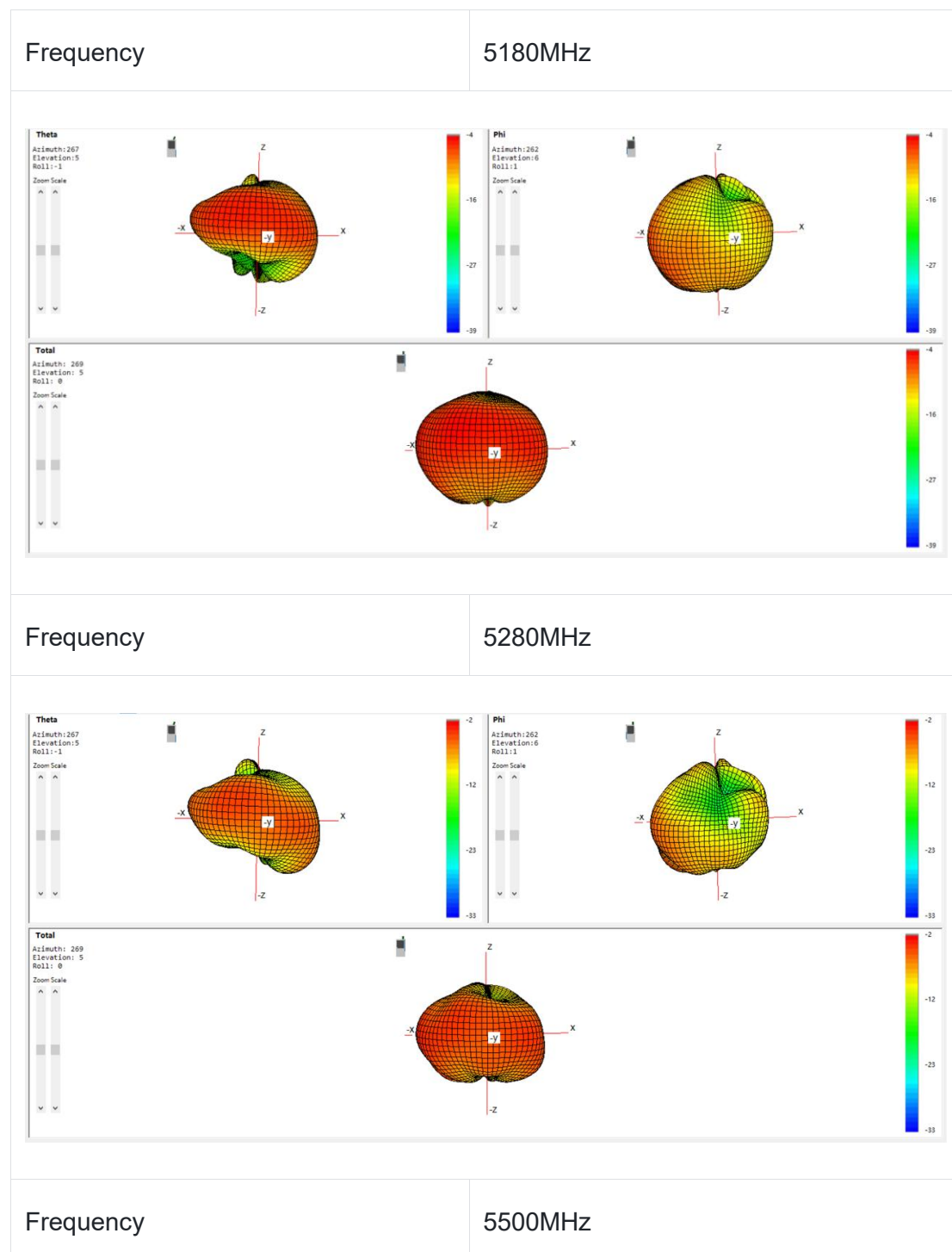


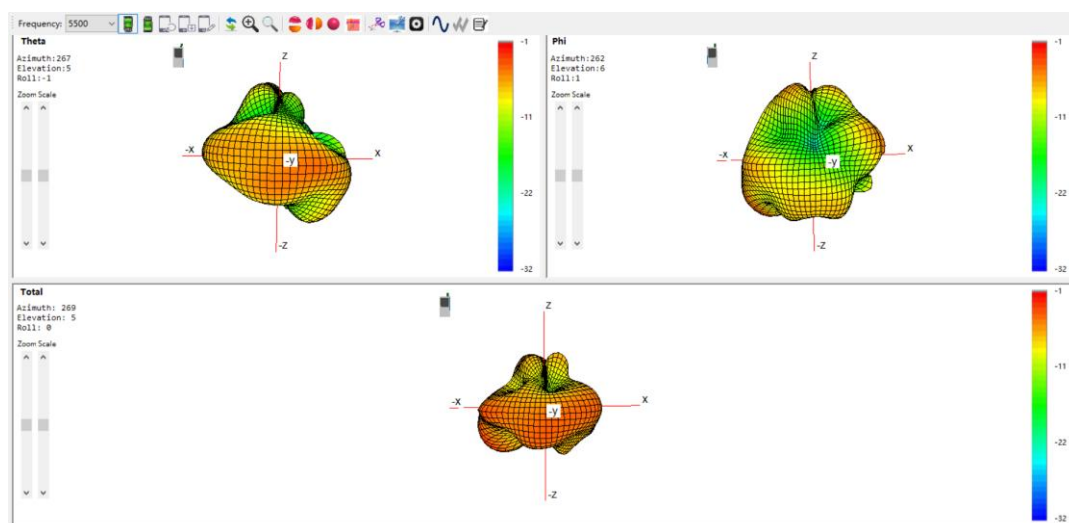
Bands for Antenna 15	WIFI5G/6E ANT	
	Avg.Effi.(dB)	Peak gain(dBi)
5G (5150~5250MHz)	-6.3	-2.0
5G (5250~5350MHz)	-6.2	-2.5
5G (5470~5725MHz)	-6.2	-3.0
5G (5470~5850MHz)	-6.3	-3.7
6G (5925-6425GHz)	-7.1	-2.2
6G (6425-6525GHz)	-7.0	-4.9
6G (6525-6875GHz)	-8.9	-5.8
6G (6875-7125GHz)	-10.0	-4.9

S 参数



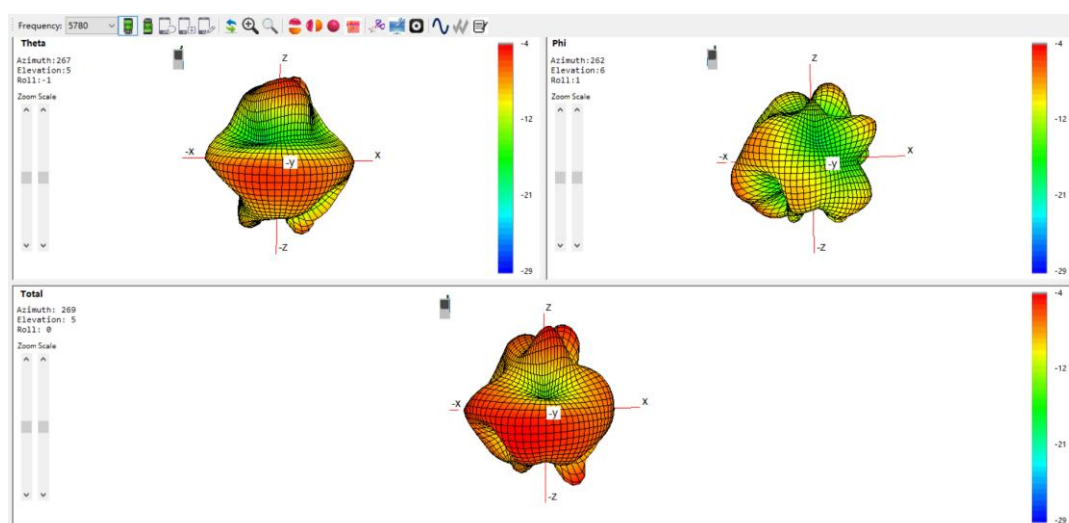
方向图





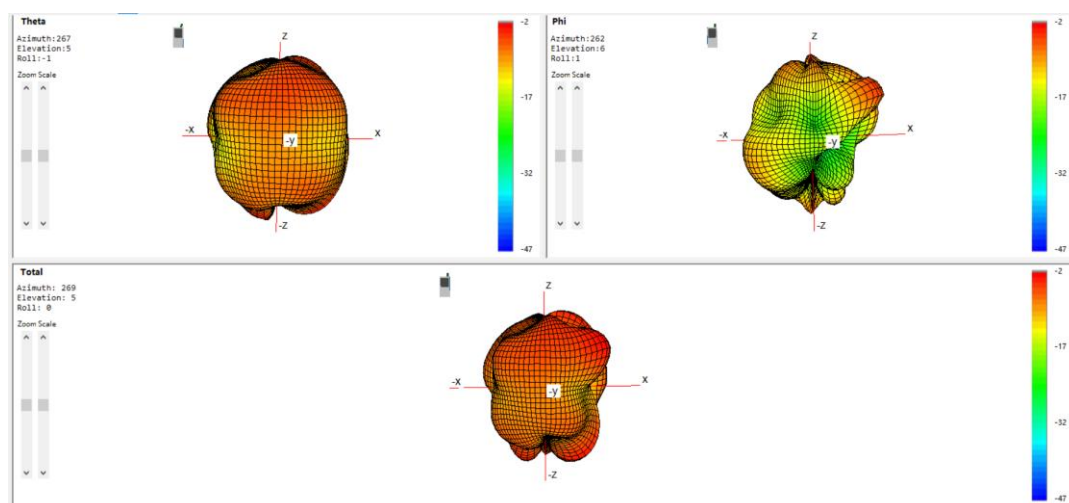
Frequency

5785MHz



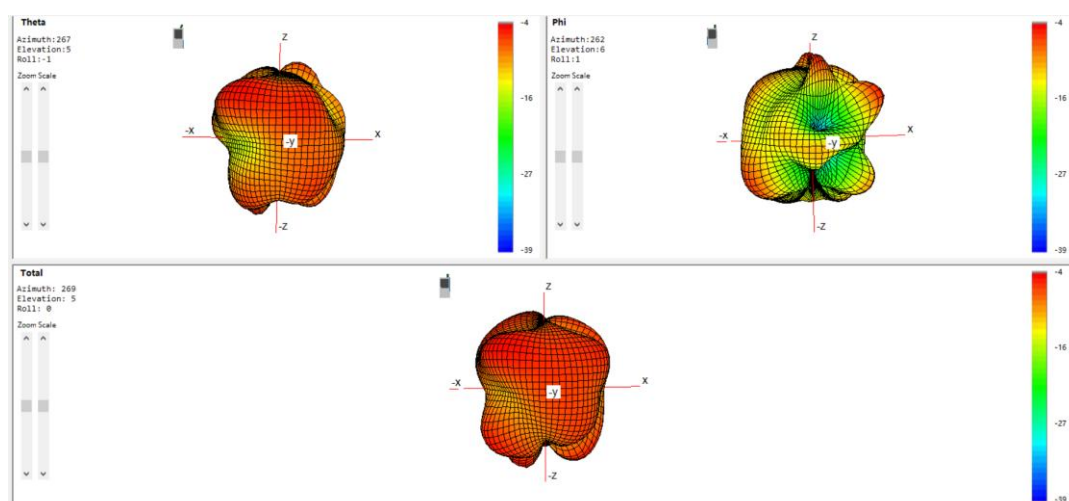
Frequency

6250MHz



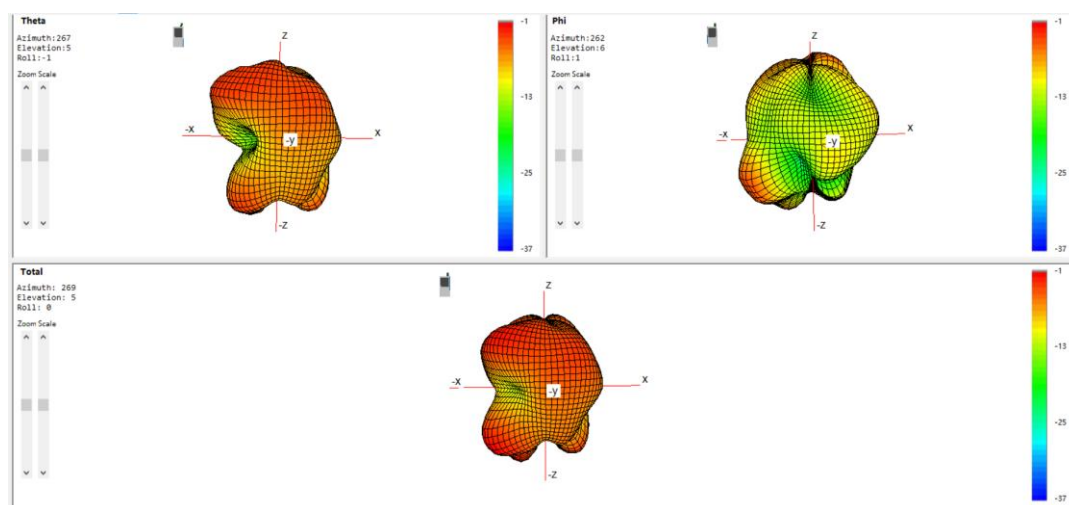
Frequency

6450MHz



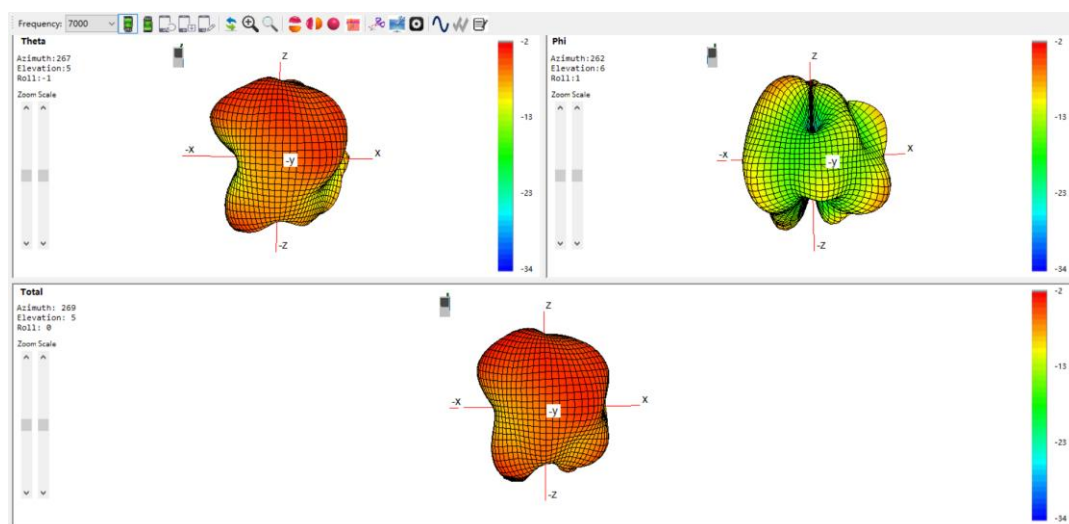
Frequency

6700MHz



Frequency

7000MHz





3. Main Test Instruments

Name	Manufacturer	Model name	Serial Number	Cal., Date	Exp., Date
OTA TEST SYSTEM	GENERAL TEST	RayZone 2800	CT1012048 0B5054	2025/4/6	2026/4/6 2024/10/3 0
E5071C	KEYSIGHT	E5071C	EQ80224	2025-4-6	2026-4-6

4. The name of the test software

GTS MaxSign- RayZone2800D_Z

End of Test Report



Cheng Yibo , antenna engineer