



Antenna Performance Description

Applicant: Xiaomi Communications Co., Ltd

Product description: Tablet Computer

Model Name: 25079RPDCG

FCC ID: 2AFZZRPDCG

Test date: 2025/03/06



1. Antenna information

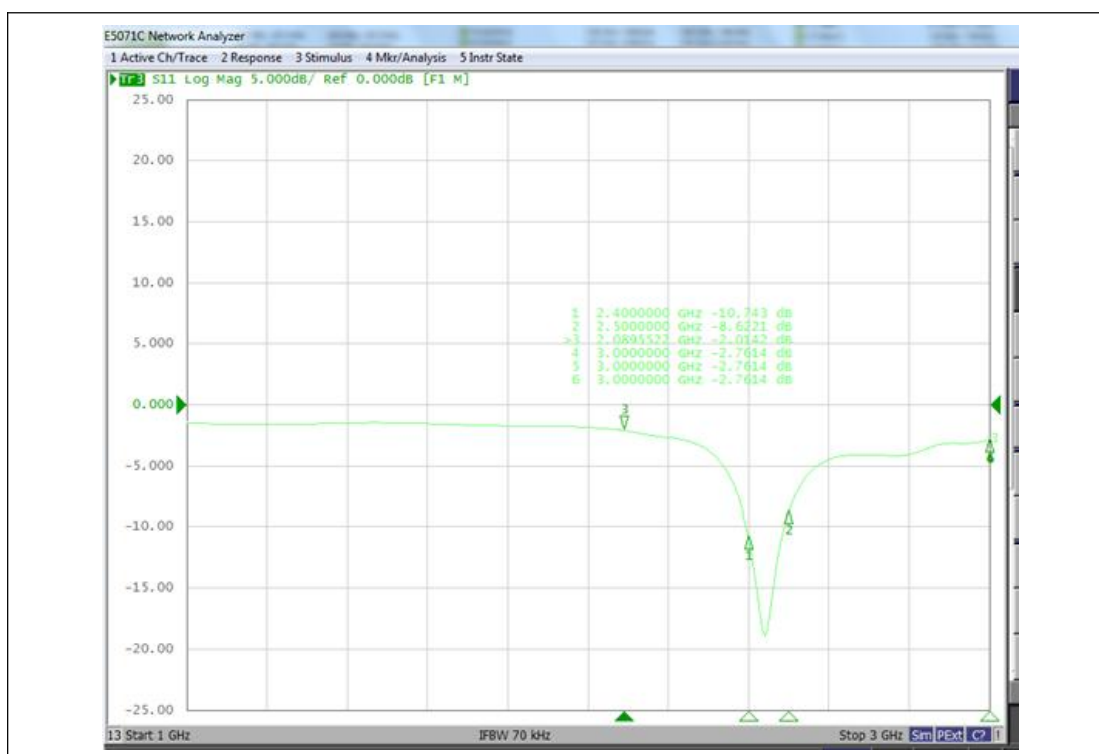
Antenna	Pattern	Antenna Type	Manufacturer	Manufacturer Address	Test party of Antenna gain
O88_AN T1	FPC	PIFA Antenna	AAC Kai Tai (Shenzhen) Technology Development Co., Ltd.	Block A Nanjing University Research Center Shenzhen Branch, No 6 YueXing 3rd Road.	Shenzhen Xiaomi Communications Co., Ltd.
O88_AN T2	FPC	PIFA Antenna	AAC Kai Tai (Shenzhen) Technology Development Co., Ltd.	Block A Nanjing University Research Center Shenzhen Branch, No 6 YueXing 3rd Road.	Shenzhen Xiaomi Communications Co., Ltd.
O88_AN T3	/	Resonant cavity antenna	AAC Kai Tai (Shenzhen) Technology Development Co., Ltd.	Block A Nanjing University Research Center Shenzhen Branch, No 6 YueXing 3rd Road.	Shenzhen Xiaomi Communications Co., Ltd.
O88_AN T4	/	Resonant cavity antenna	XIAOMI	Floor 9th, Tower 1, Novel Park, No.4078 Dongbin Road, Nanshan District, Shenzhen.	Shenzhen Xiaomi Communications Co., Ltd.
O88_W PT Antenna	14801030 00010A	Coil Antenna	Luxshare Precision Industry (Enshi) Co., Ltd	Enshi Liujiaoting Sub-District Office Songshuping Villagers' Committee, Enshi, Enshi City, Hubei, China, 445002.	/



2. Test data

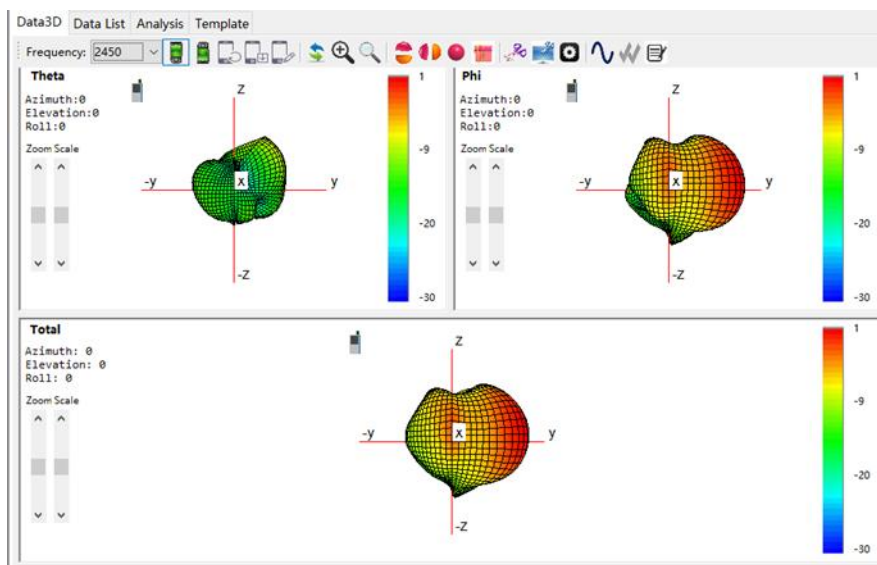
Band for Antenna 1	WIFI_2.4G ANT	
	Avg.Effi.(dB)	Peak gain(dBi)
2.4G(2400~2485MHz)	-7.1	-0.9
Bluetooth	-7.1	-0.9

S 参数



方向图

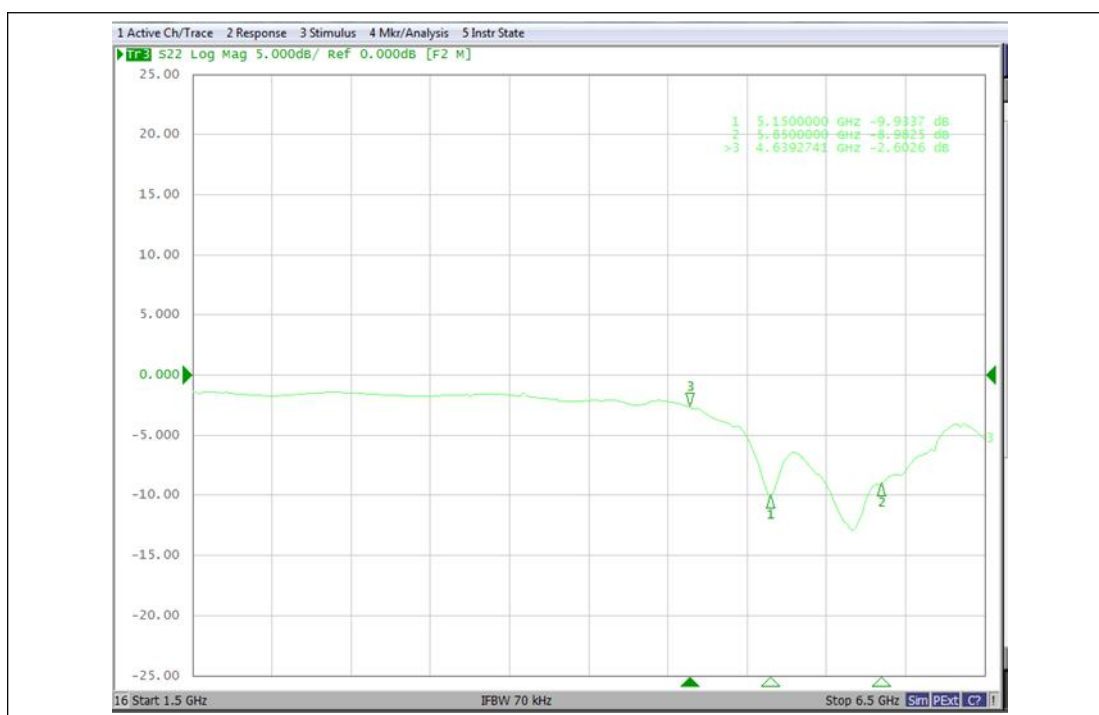
Frequency	2450MHz
-----------	---------





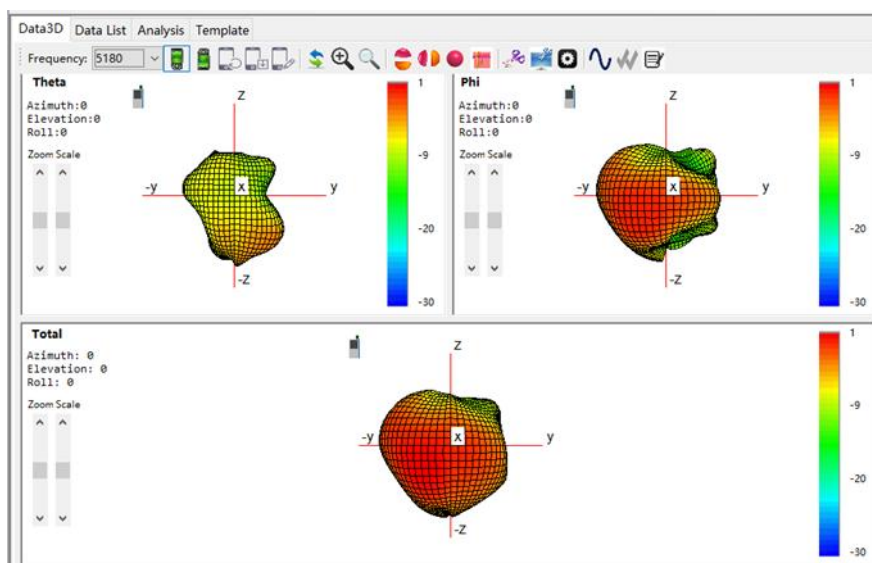
Band for Antenna 2	WIFI_5G ANT	
	Avg.Effi.(dB)	Peak gain(dBi)
5G (5150~5250MHz)	-6	-0.7
5G (5250~5350MHz)	-6.4	-1.1
5G (5470~5725MHz)	-4.8	-0.6
5G (5725~5850MHz)	-4.9	-0.5

S 参数



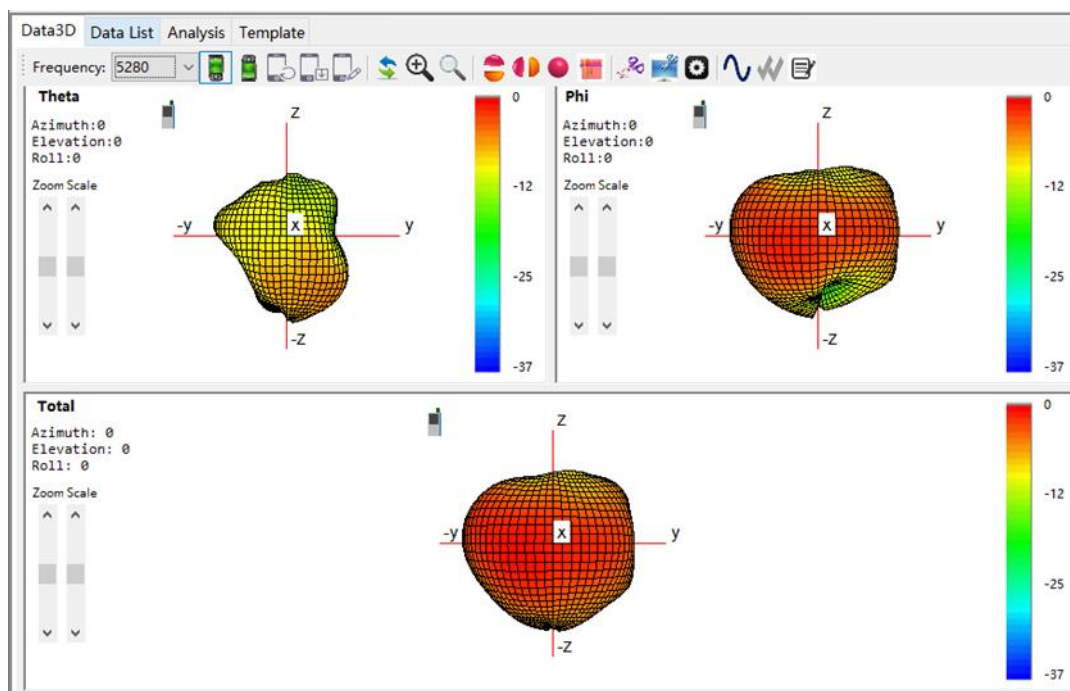
方向图

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



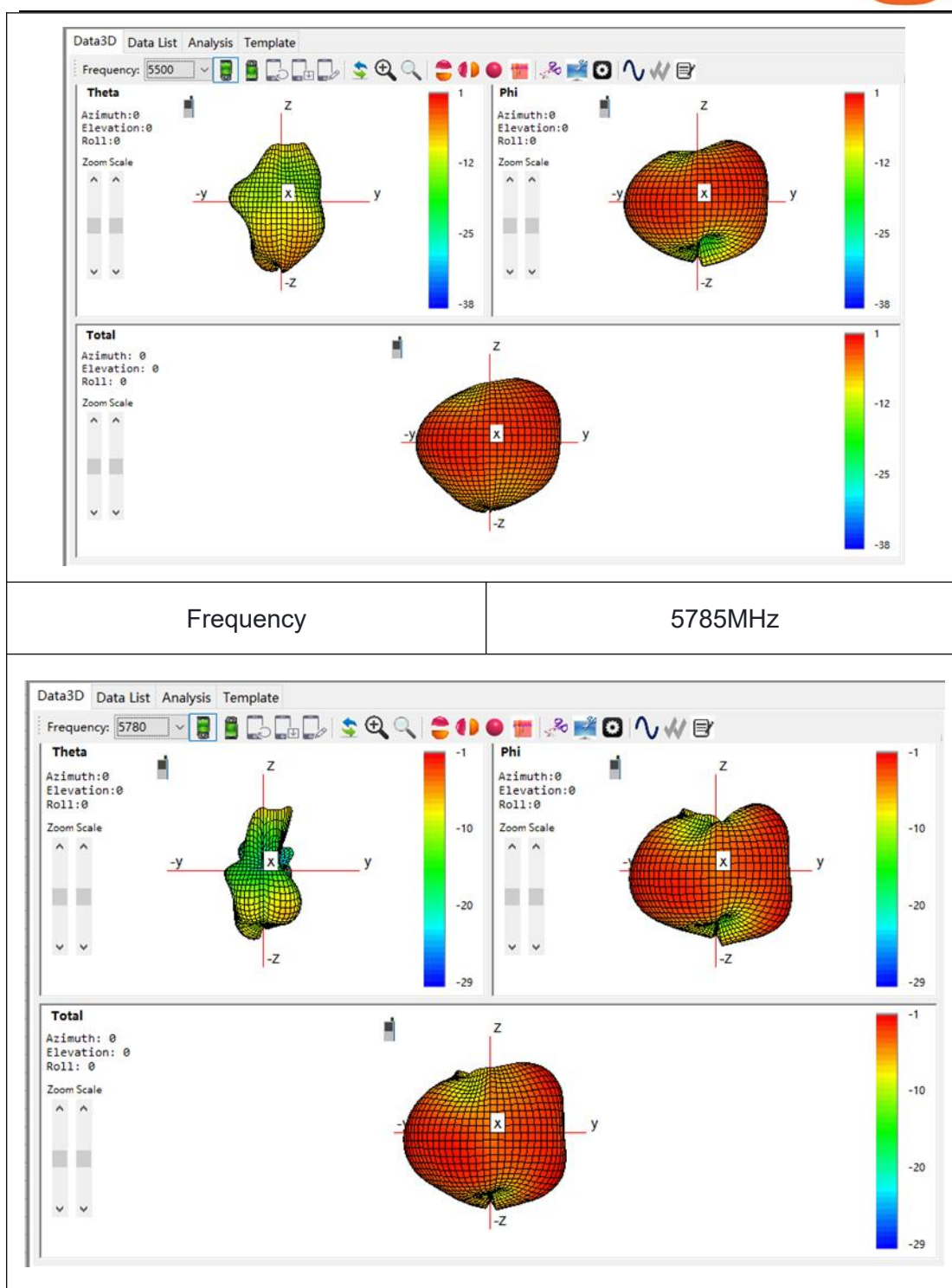
Frequency

5280MHz



Frequency

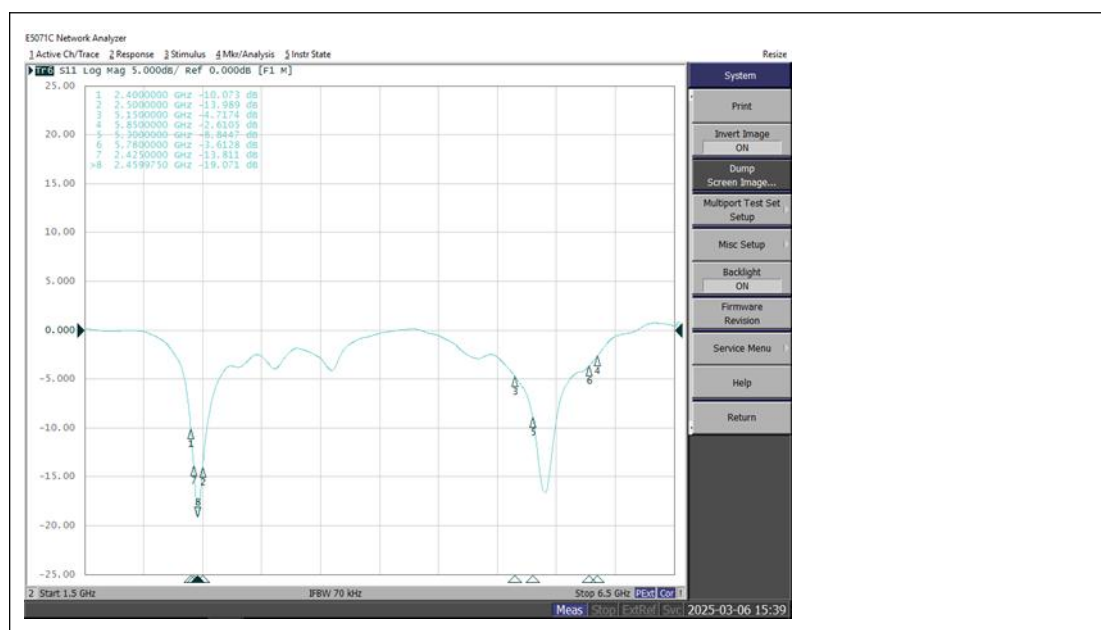
5500MHz





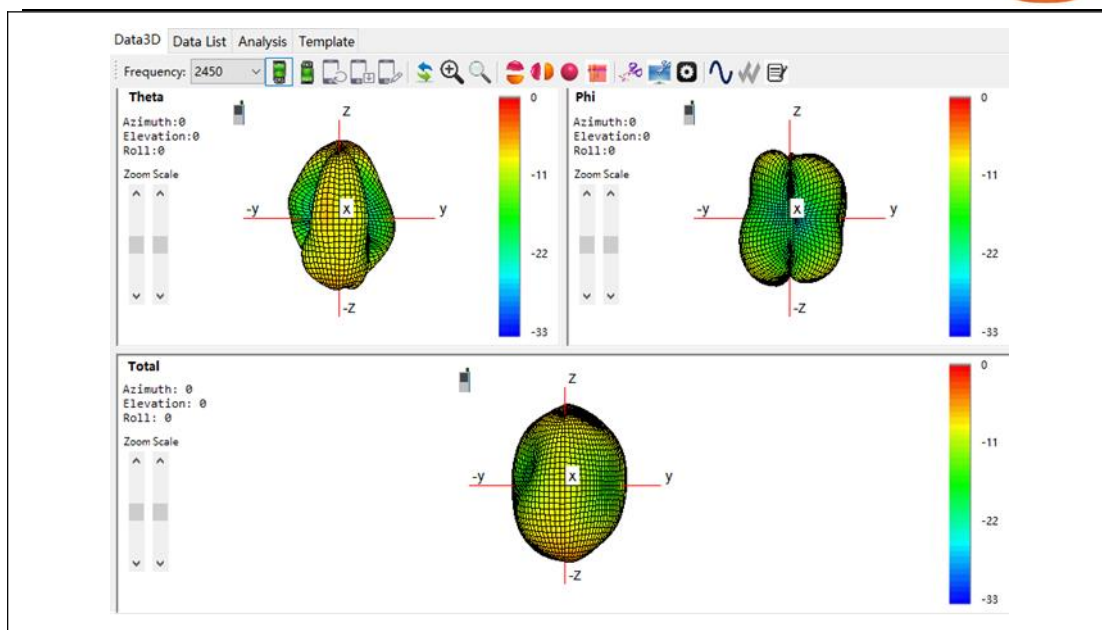
Band for Antenna 3	WIFI_2.4G ANT	
	Avg.Effi.(dB)	Peak gain(dBi)
2.4G(2400~2485MHz)	-6.9	-1.1
Bluetooth	-6.9	-1.1
5G (5150~5250MHz)	-9	-2.8
5G (5250~5350MHz)	-9.2	-3.0
5G (5725~5850MHz)	-9.2	-2.5

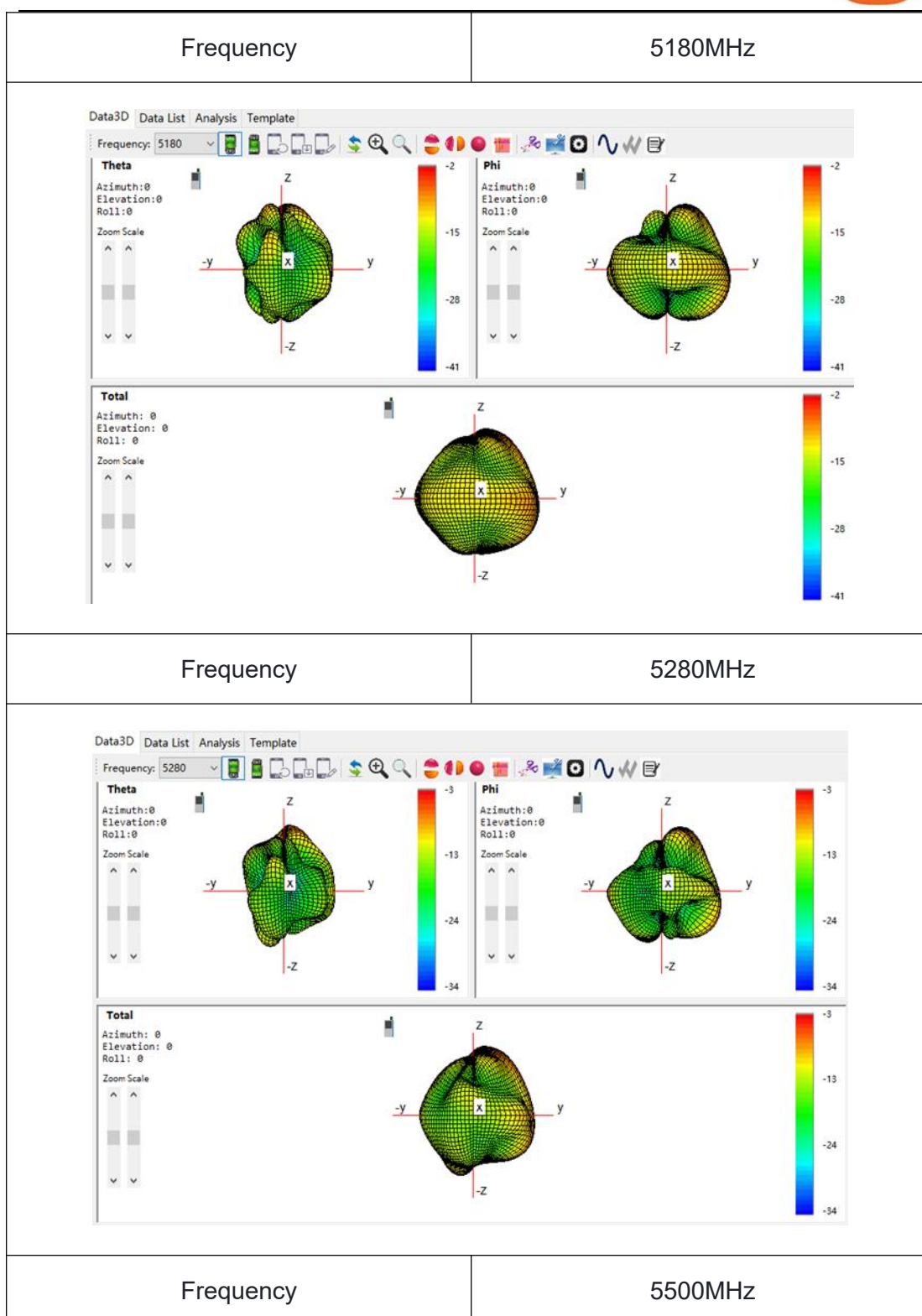
S 参数

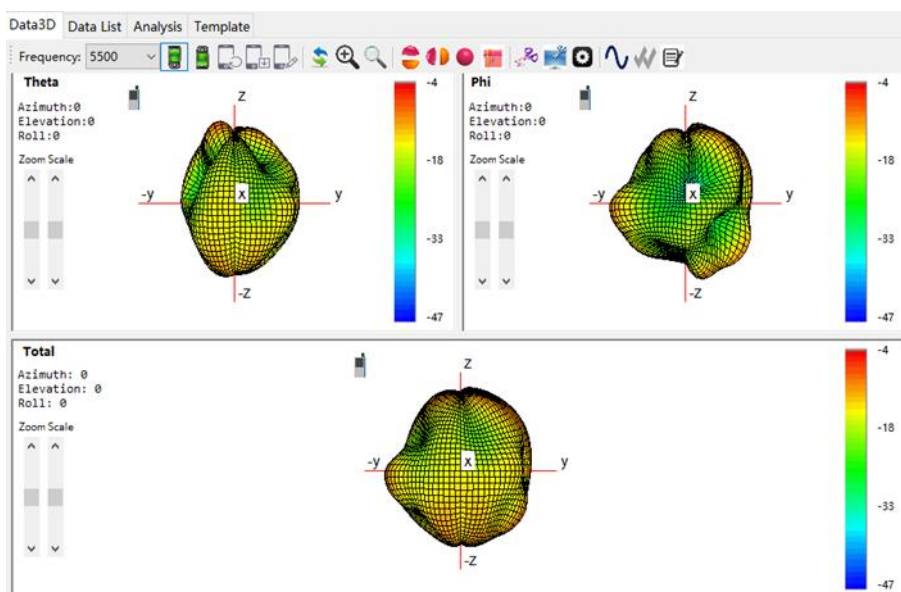


方向图

Frequency	2450MHz
-----------	---------

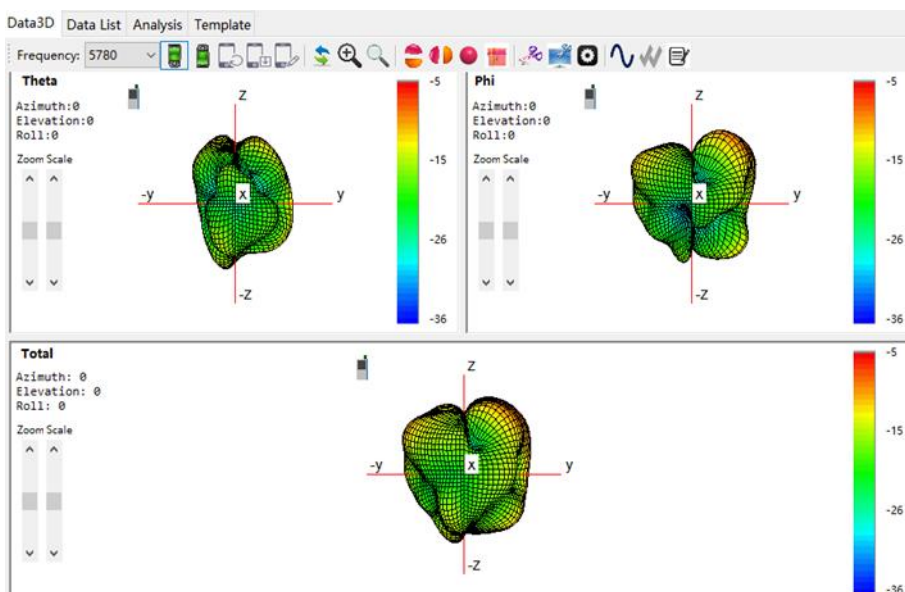






Frequency

5785MHz



Band for Antenna 4	WIFI_5G ANT	
	Avg.Effi.(dB)	Peak gain(dBi)
5G (5150~5250MHz)	-5.5	-0.8
5G (5250~5350MHz)	-5.8	-1.1

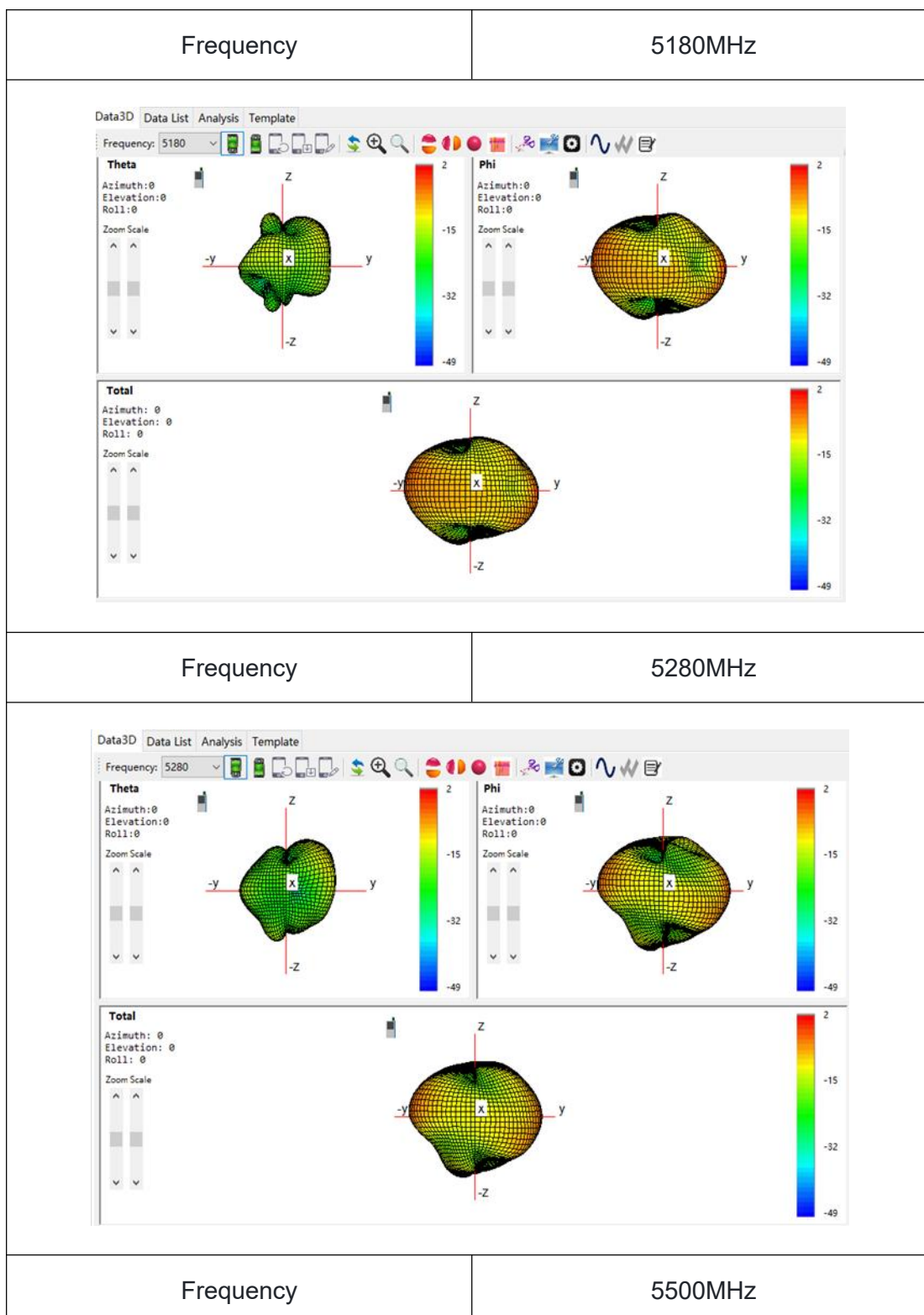


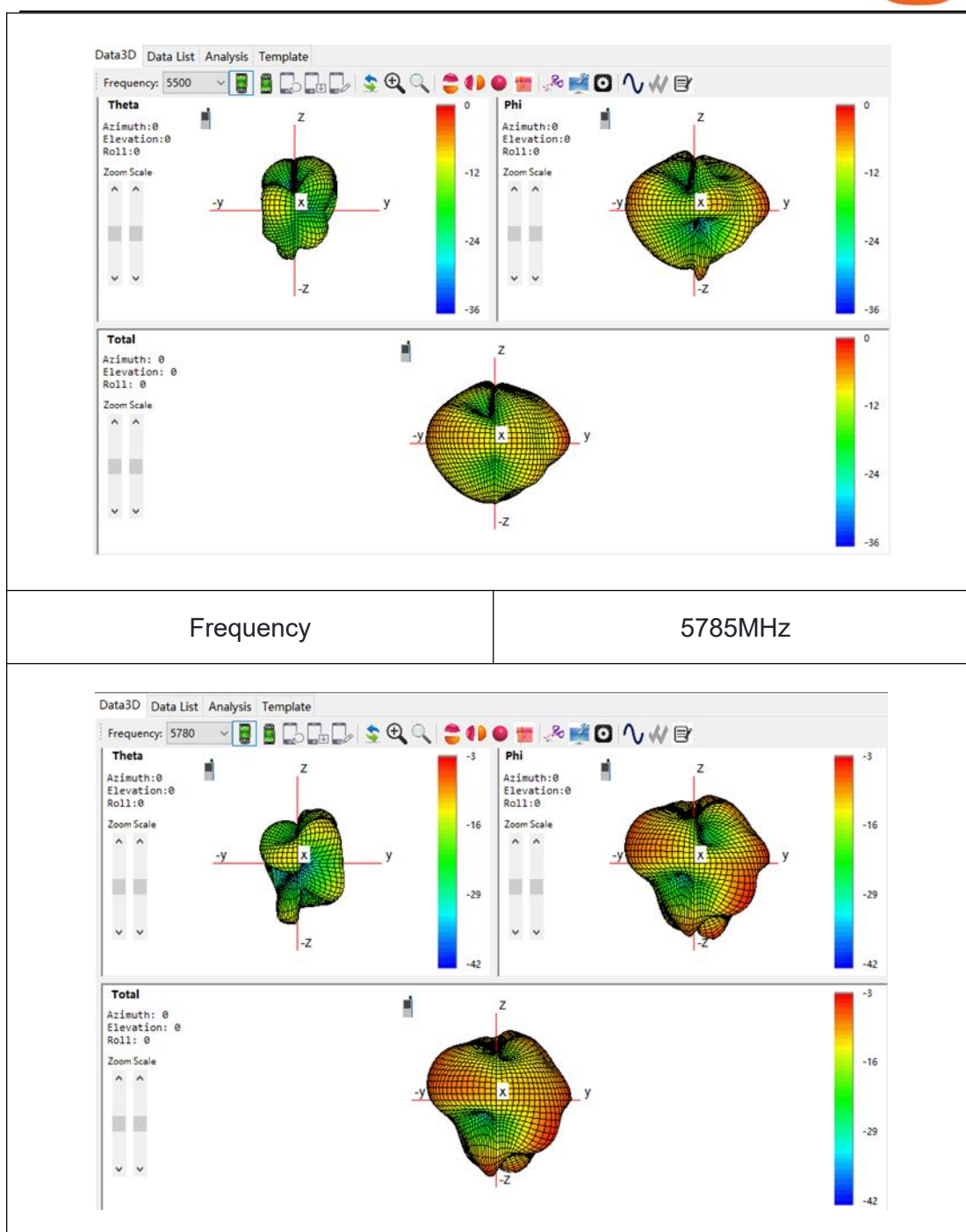
5G (5470~5725MHz)	-5.5	-0.9
5G (5725~5850MHz)	-5.5	-1

S 参数



方向图





3. Main Test Instruments

Name	Manufacturer	Model name	Serial Number	Test antenna type	Testing software	Cal., Date	Exp., Date
E5071C	KEYSIG HT	E5071C	EQ80224	horn antenna	Maxsign100	2025-3-4	2025-3-6

4. Test Site

Shenzhen



End of Test Report