



Antenna Performance Description

Applicant: Xiaomi Communications Co., Ltd

Product description: Mobile Phone

Test date: 2025/11/14

Test Engineer: 



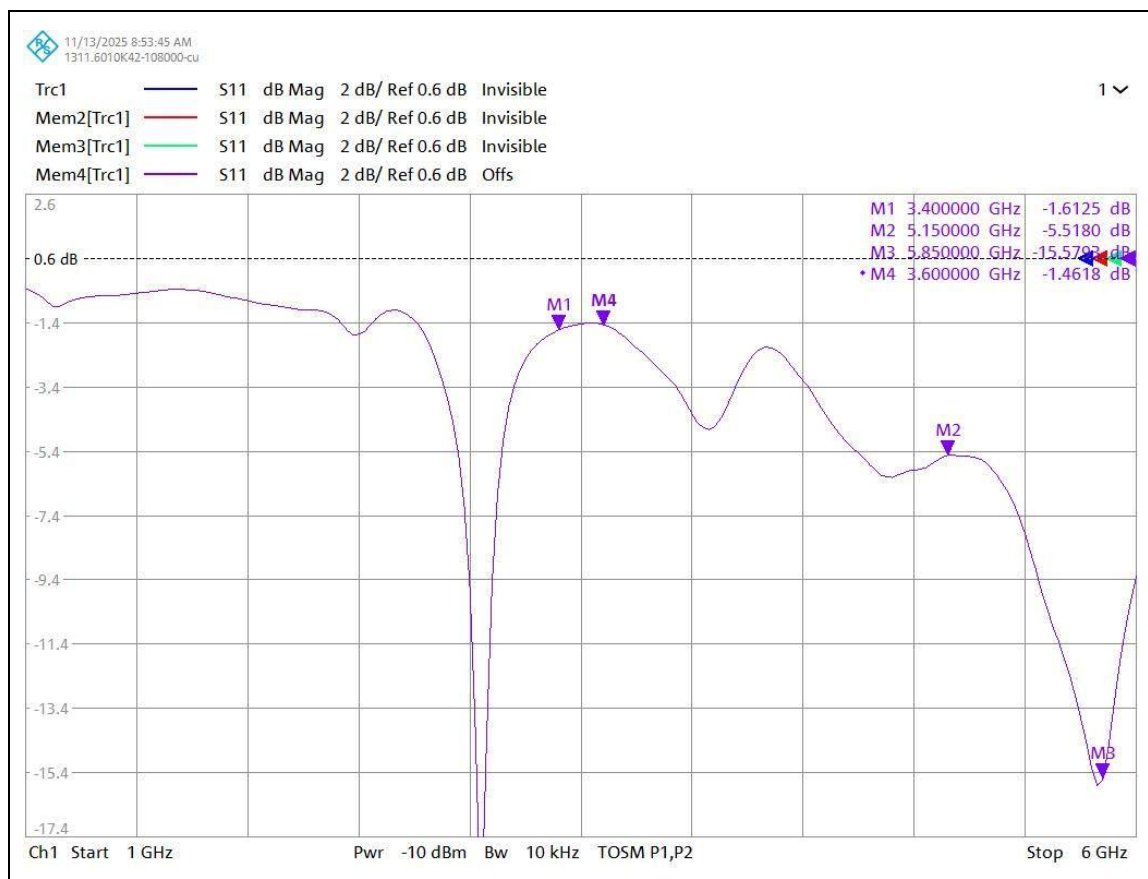
1. Antenna information

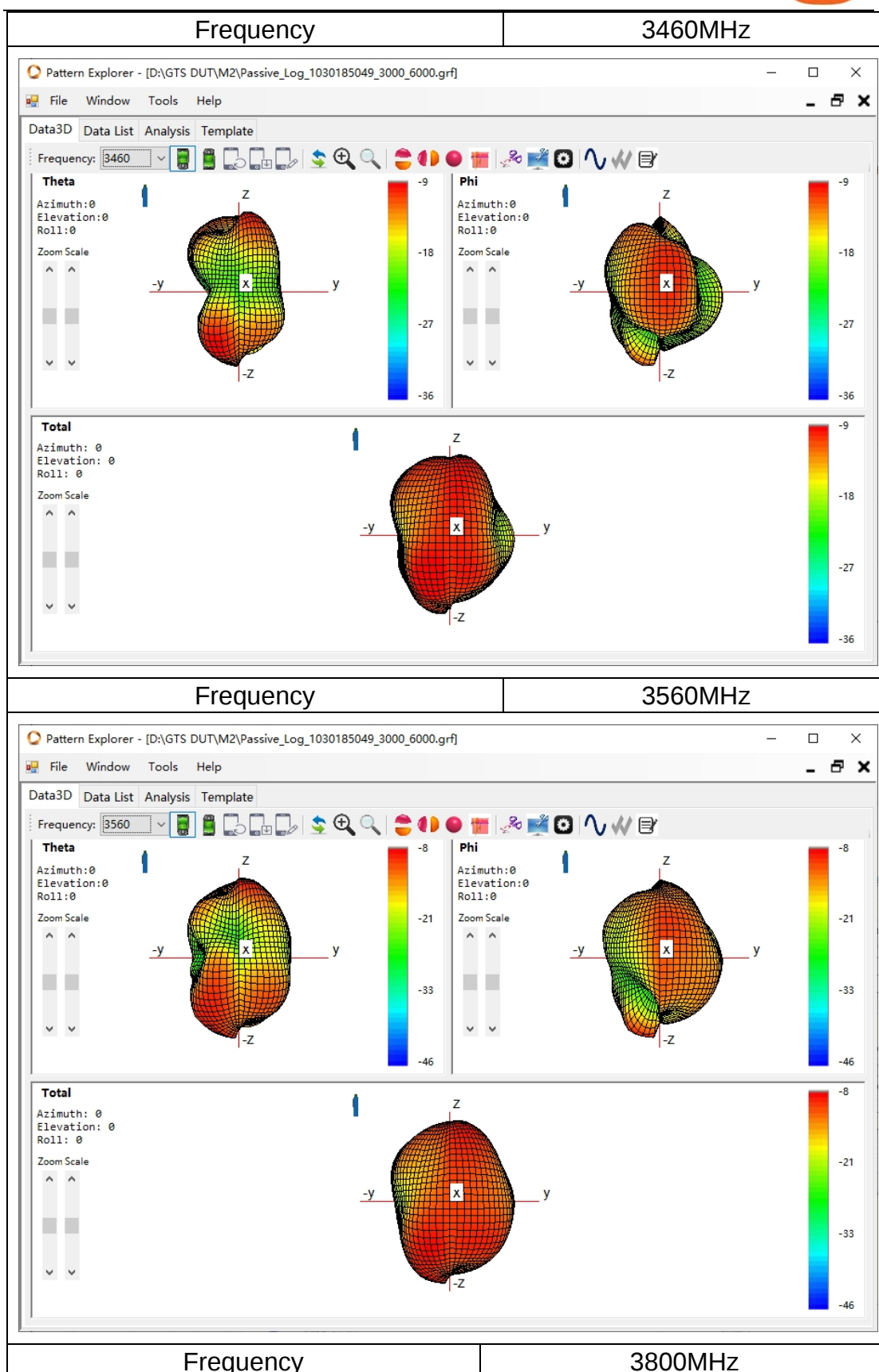
Antenna	Pattern	Antenna Type	Antenna Model	Manufacturer	Test party of Antenna gain
ANT6	Metal Frame	PIFA	P10U	BIEL Crystal (HK) Manufactory Limited	Xiaomi Technology Co., Ltd.
ANT7	Metal Frame	PIFA	P10U	BIEL Crystal (HK) Manufactory Limited	Xiaomi Technology Co., Ltd.
ANT8	Metal Frame	PIFA	P10U	BIEL Crystal (HK) Manufactory Limited	Xiaomi Technology Co., Ltd.
NFC	FPC	Loop	P10U	Kunshan Innwave Communication Technology Co., Ltd./ AAC Technologies Holdings Inc.	Xiaomi Technology Co., Ltd.

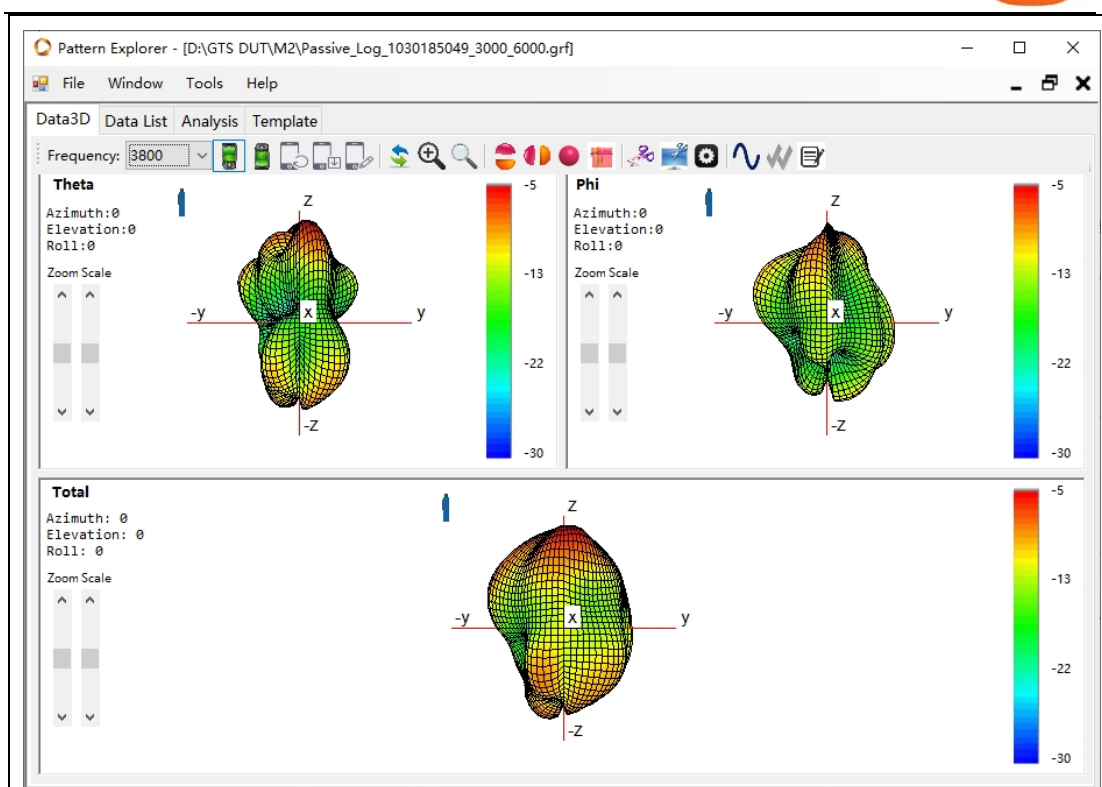


2. Test data

Band for Antenna 6	NR+WiFi 5G ant	
	Avg.Effi.(dBi)	Peak gain(dBi)
5G (5.15-5.25GHz)	-7.8	-3.2
5G (5.25-5.35GHz)	-7.5	-3.7
5G (5.47-5.725GHz)	-5.7	-2.1
5G (5.725-5.85GHz)	-5.6	-1.8

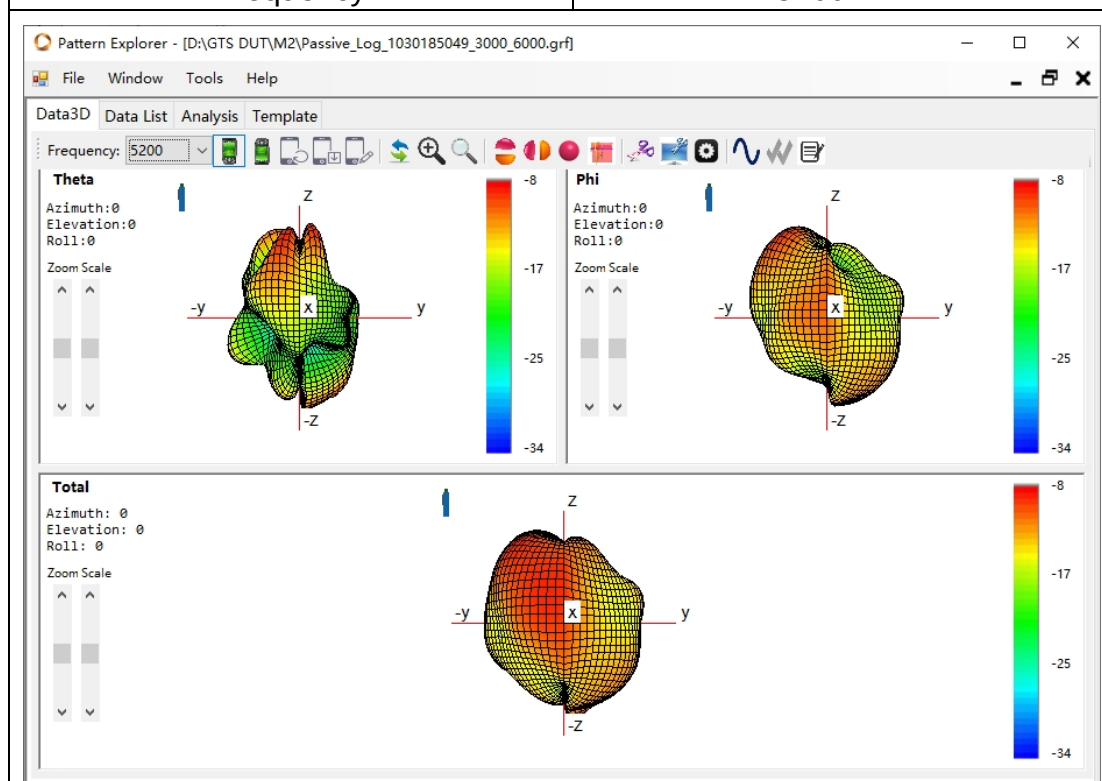






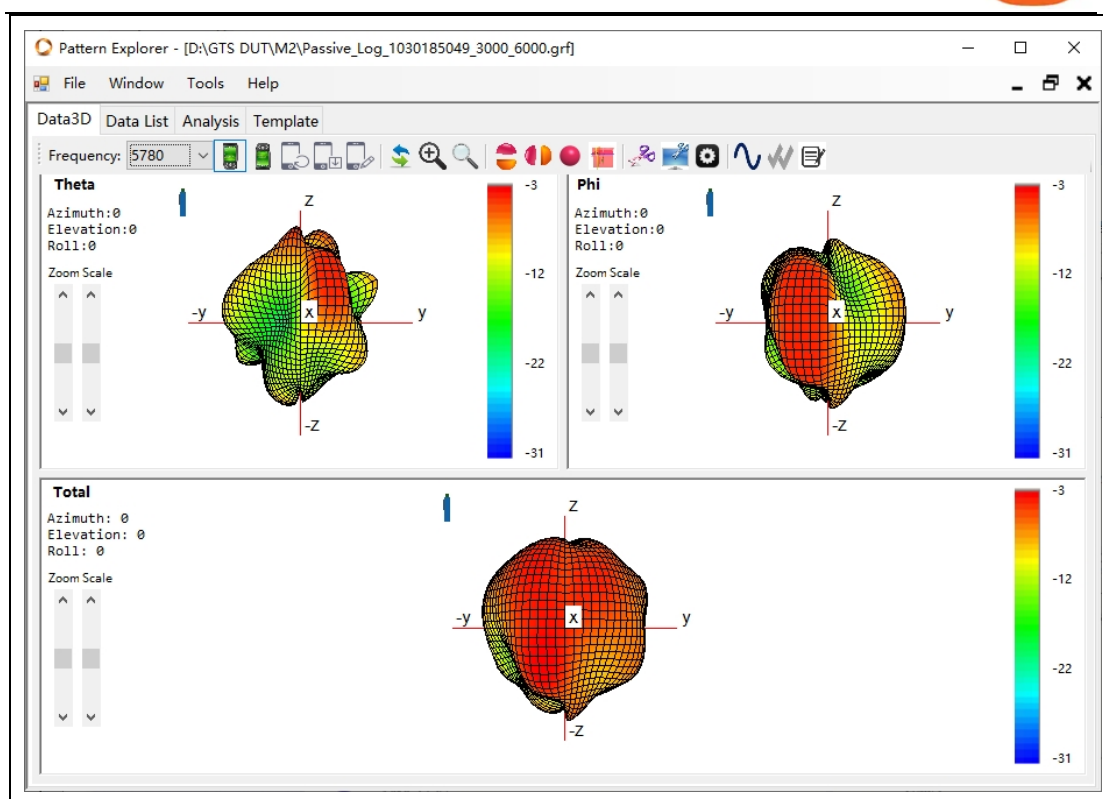
Frequency

5200MHz



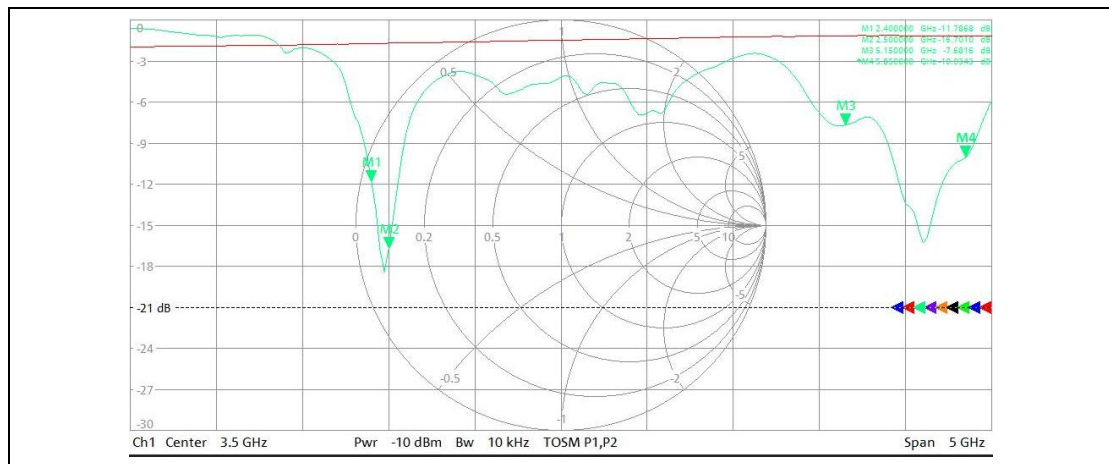
Frequency

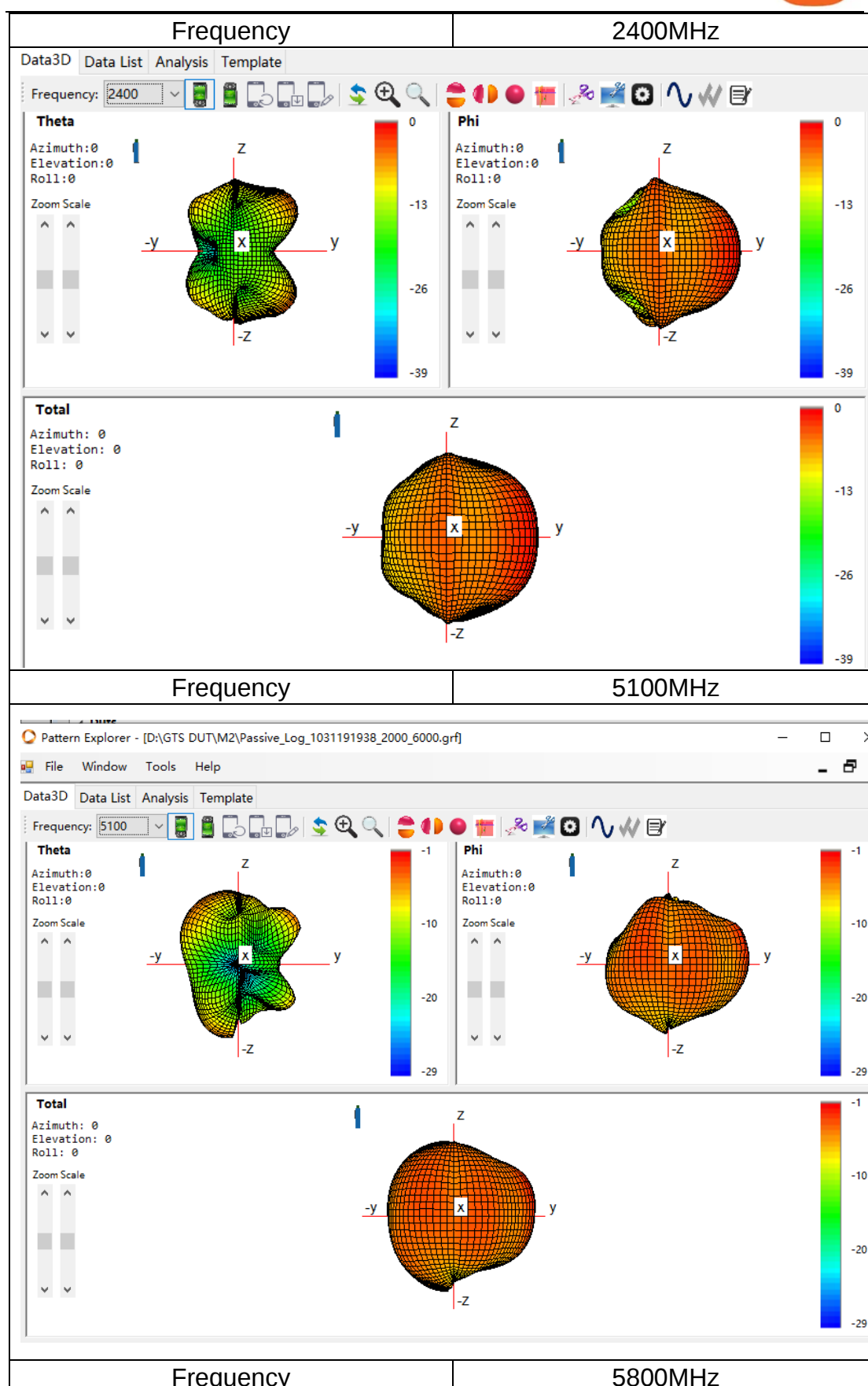
5780MHz

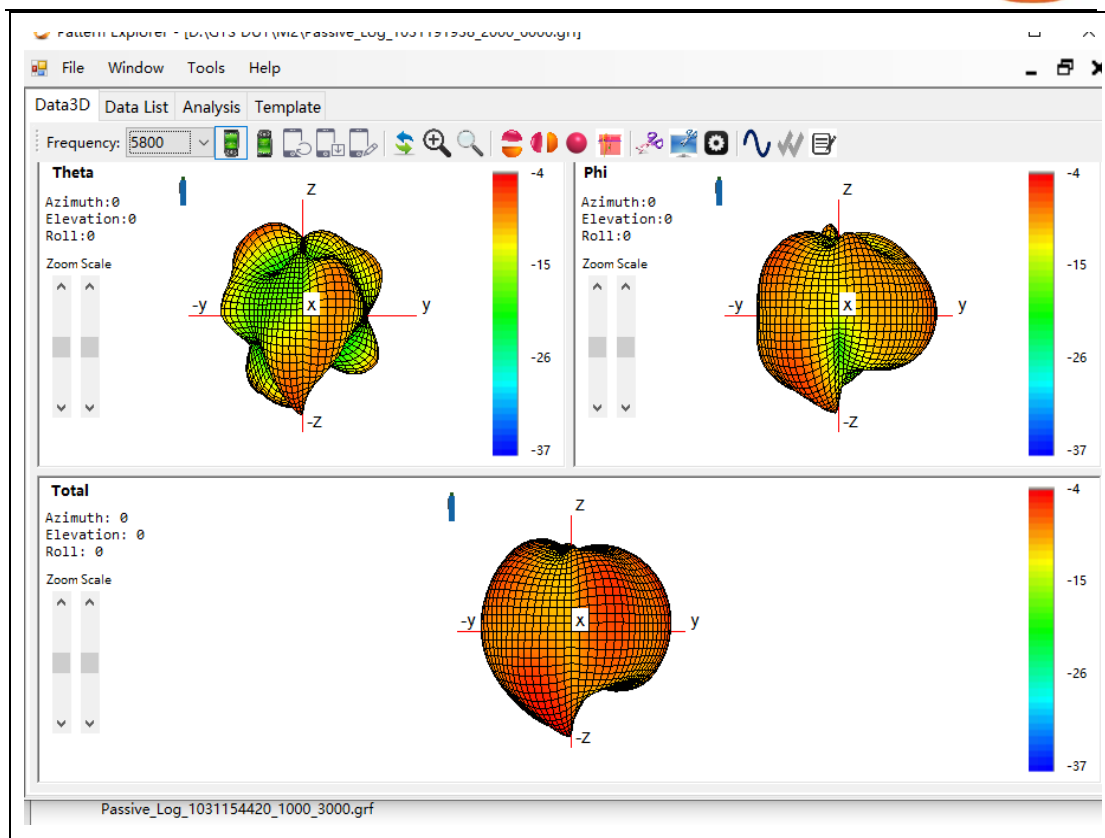




Band for Antenna 7	WiFi 2.4G+WiFi 5G ant	
	Avg.Effi.(dBi)	Peak gain(dBi)
2.4G	-4.8	-0.1
Bluetooth	-4.8	-0.1
5G (5.15-5.25GHz)	-4.3	-0.6
5G (5.25-5.35GHz)	-4.8	-1
5G (5.47-5.725GHz)	-7	-2.3
5G (5.725-5.85GHz)	-8.2	-8.1

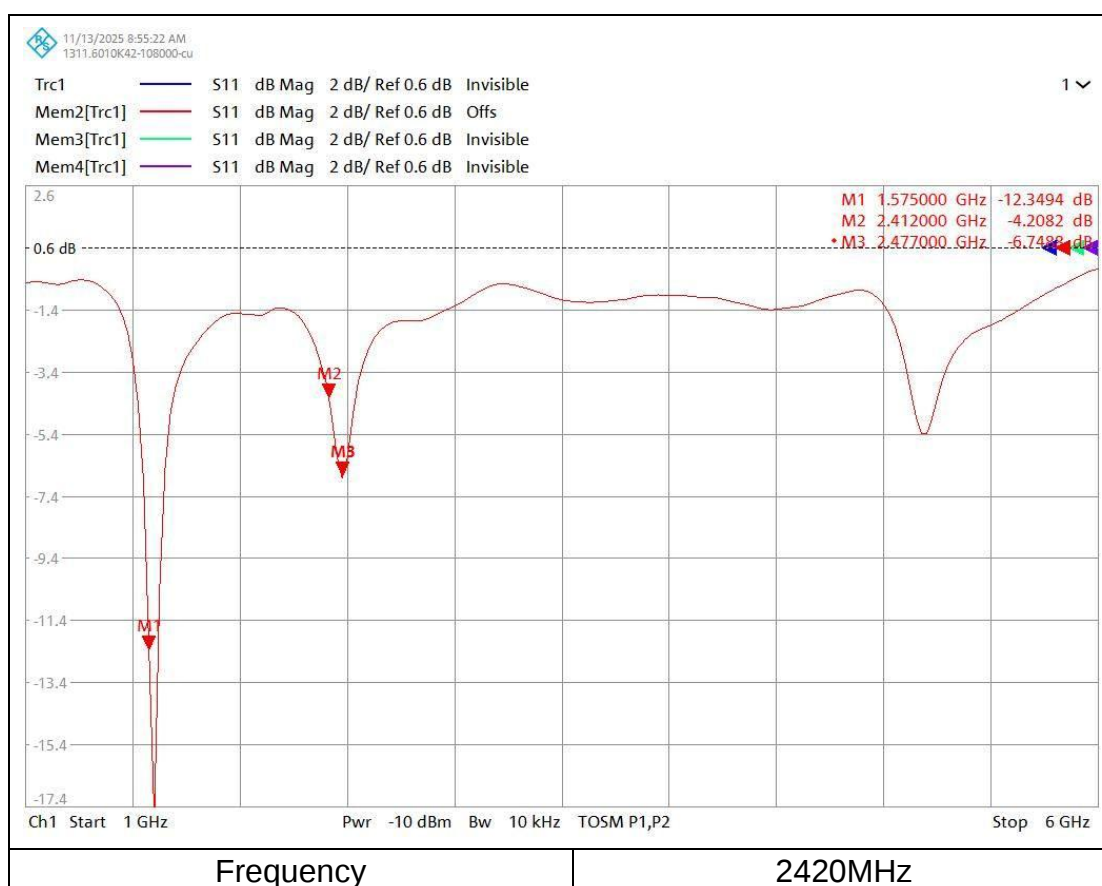


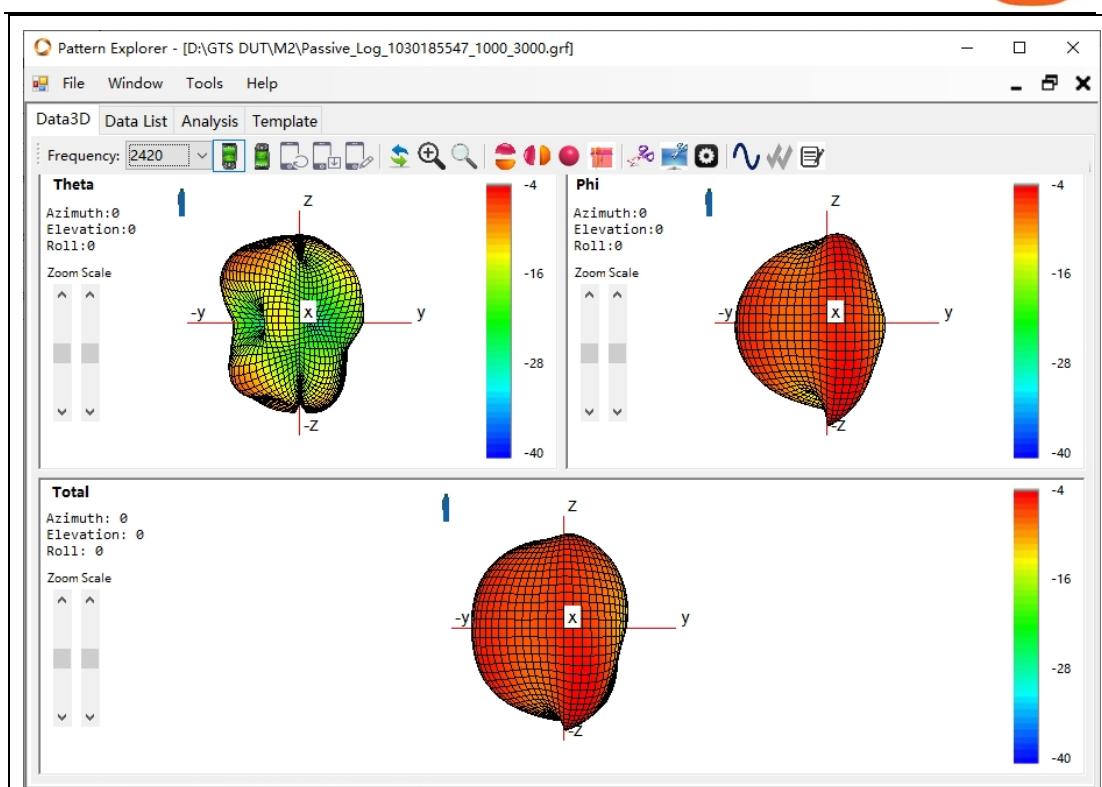






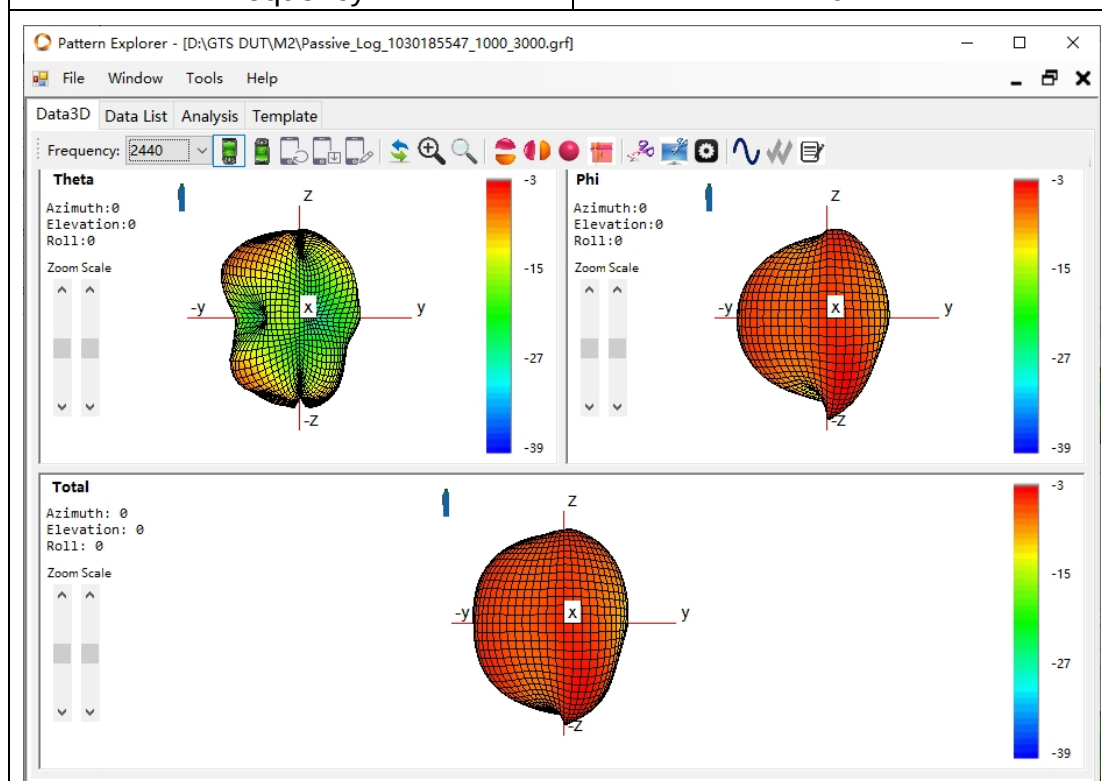
Band for Antenna 8	WiFi 2.4G ant	
	Avg.Effi.(dBi)	Peak gain(dBi)
2.4G	-6.1	-1.7
Bluetooth	-6.1	-1.7





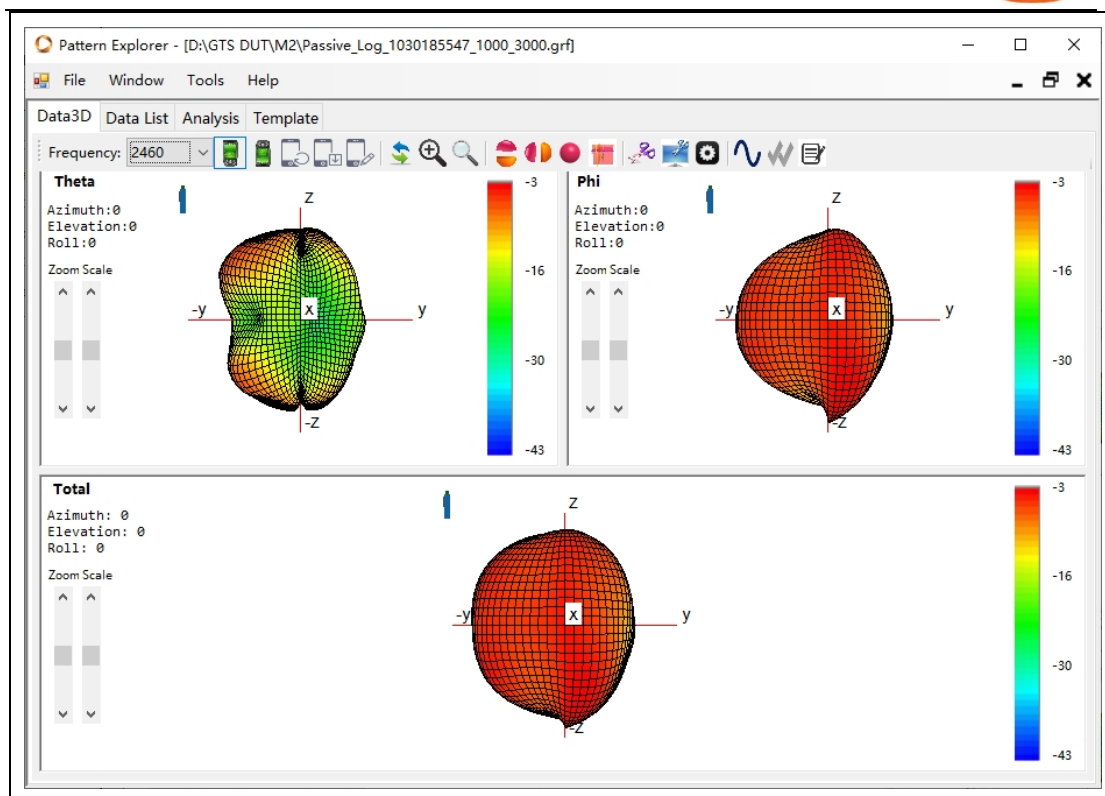
Frequency

2440MHz



Frequency

2460MHz





3. Main Test Instruments

Name	Manufacturer	Model name	Software name	Serial Number	Cal., Date	Exp., Date
MT8821C	Anritsu	MT8821C	GTS Max sign	6272354143	2025-03-07	2026-03-07
MT8000A	Anritsu	MT8000A	GTS Max sign	6272348718	2025-03-07	2026-03-07

End of Test Report