



Antenna Performance Description

Applicant: Xiaomi Communications Co., Ltd

Product description: Mobile Phone

Model Name: 2211133G

FCC ID: 2AFZZ133G

Test date: 2022/8/26



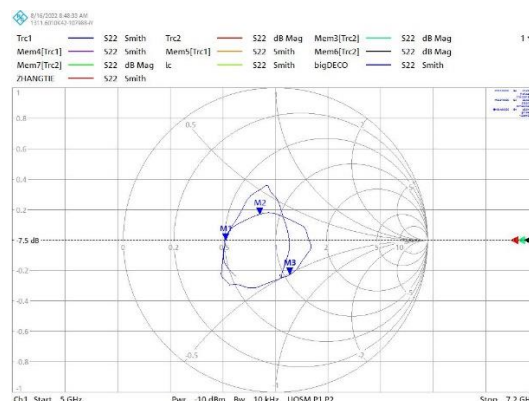
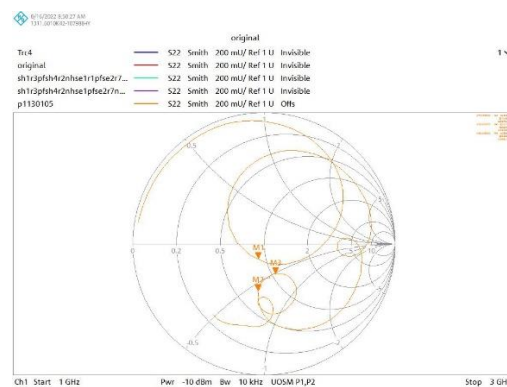
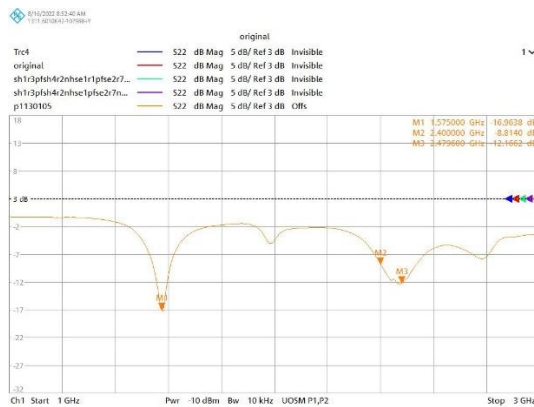
1. Antenna information

Antenna	Pattern	Antenna Type	Manufacturer	Test party of Antenna gain
ANT15	Metal Frame	PIFA Antenna	AAC KaiTai (Shenzhen) Sci-Tech Development Co., Ltd./Huizhou BYD Electronic Co., Ltd.	Shanghai Amphenol Airwave Communication Electronics Co., Ltd
ANT18	Metal Frame	PIFA Antenna	AAC KaiTai (Shenzhen) Sci-Tech Development Co., Ltd./Huizhou BYD Electronic Co., Ltd.	Shanghai Amphenol Airwave Communication Electronics Co., Ltd
NFC	N/A	FPC (Flexible Printed Circuit) antenna 50.8mm*39mm	Shanghai Deman Electronic Technology	N/A
WPT	N/A	Coil antenna Diameter: 49.6mm	LUXSHAREICT	N/A



2. Test data

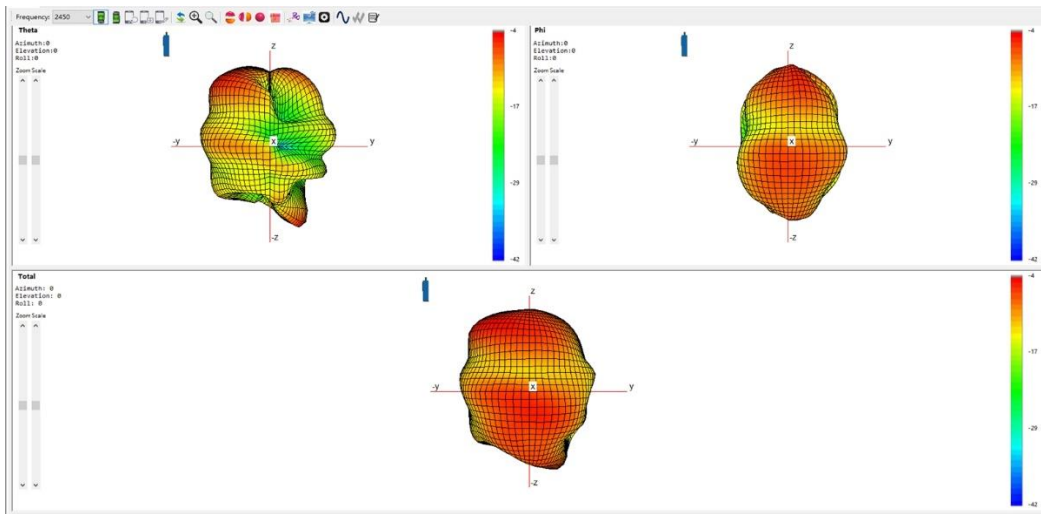
Band for Antenna 15&17	Combo ant	
	Effi.(dBi)	peak gain(dBi)
2.4G	-7.1	-3.5
5G (5.15-5.25GHz)	-8.6	-2.5
5G (5.25-5.35GHz)	-8.35	-2.5
5G (5.47-5.725GHz)	-8.01	-3
5G (5.725-5.85GHz)	-7.2	-2.1
6G (5.925-6.425GHz)	-7.06	-2.3
6G (6.425-6.525GHz)	-6.3	-1.6
6G (6.525-6.875GHz)	-5.9	-1.1
6G (6.875-7.125GHz)	-6.4	-1.6
Bluetooth	-7.1	-3.5





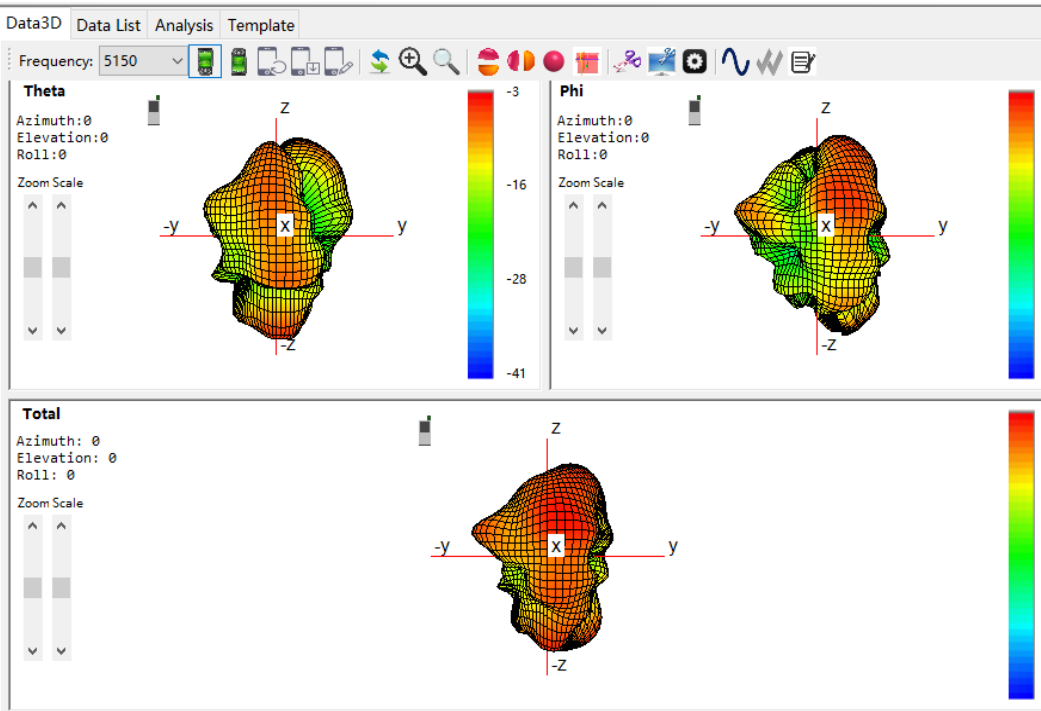
Frequency

2450MHz



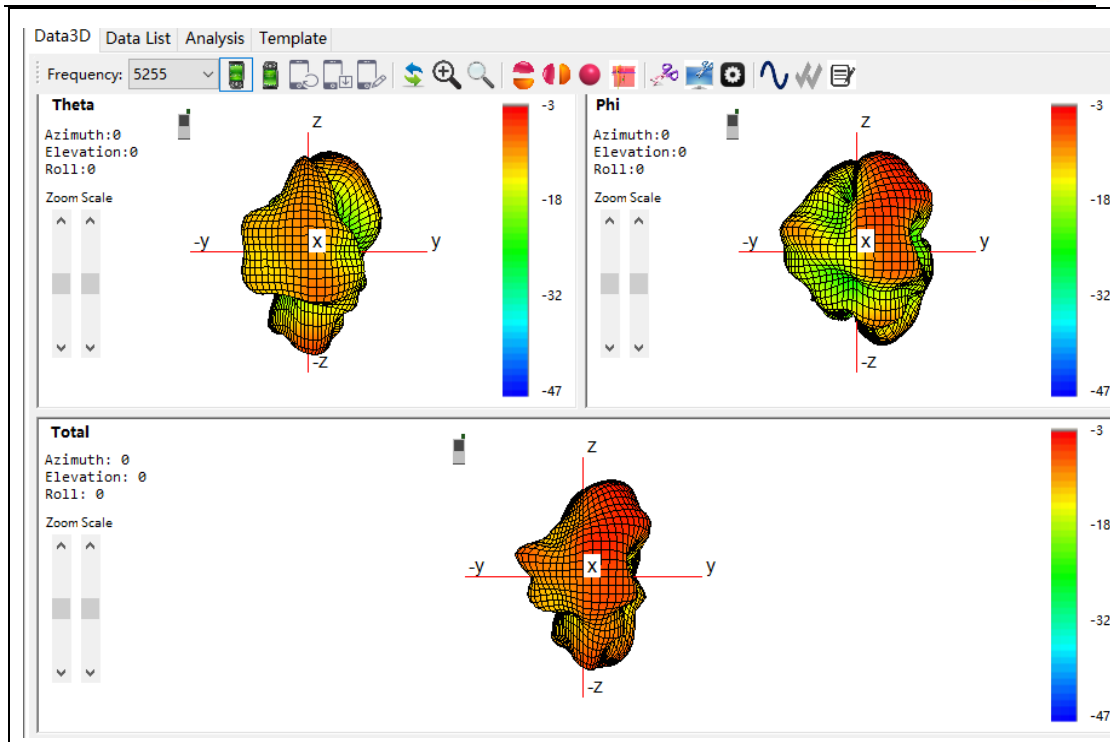
Frequency

5150MHz



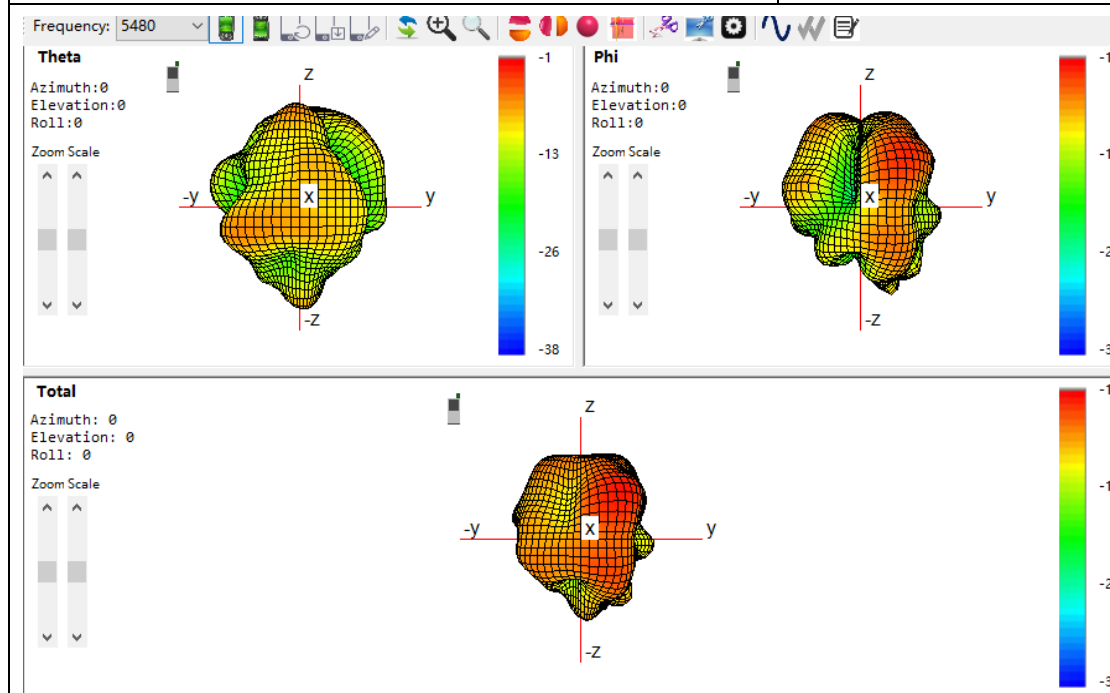
Frequency

5255MHz



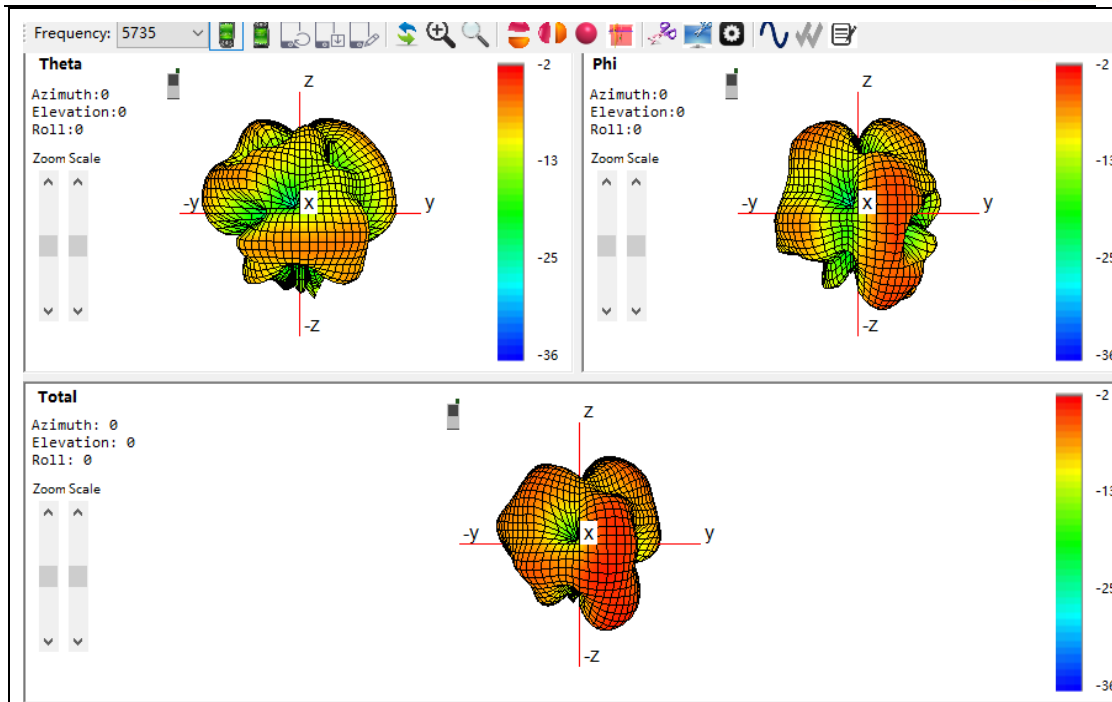
Frequency

5480MHz



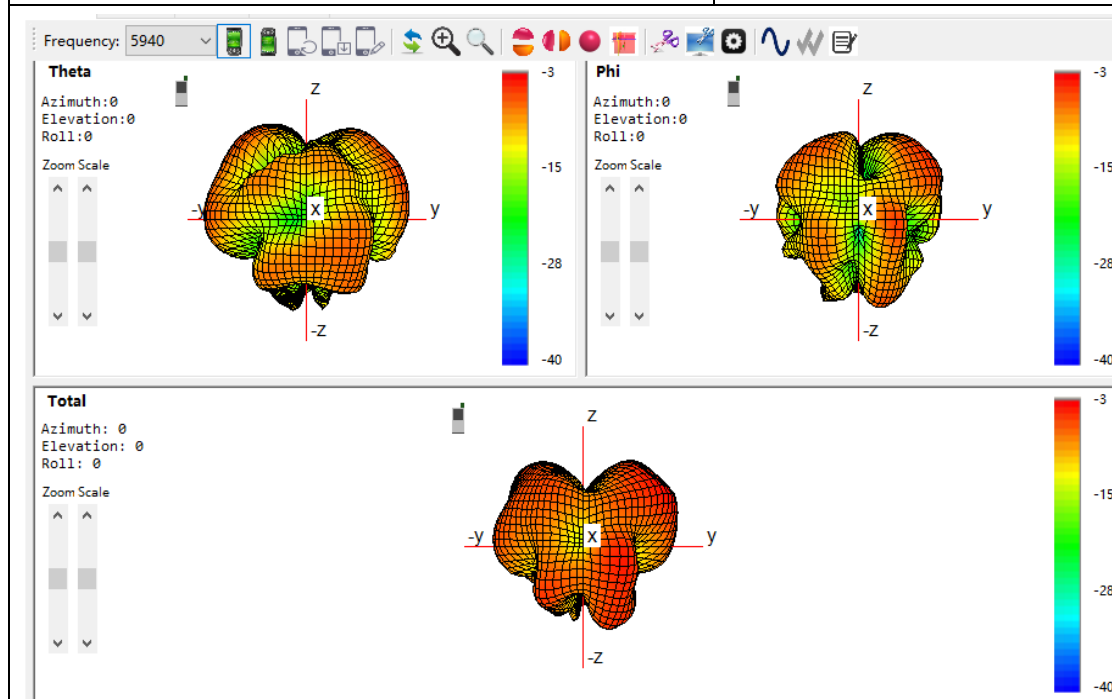
Frequency

5735MHz



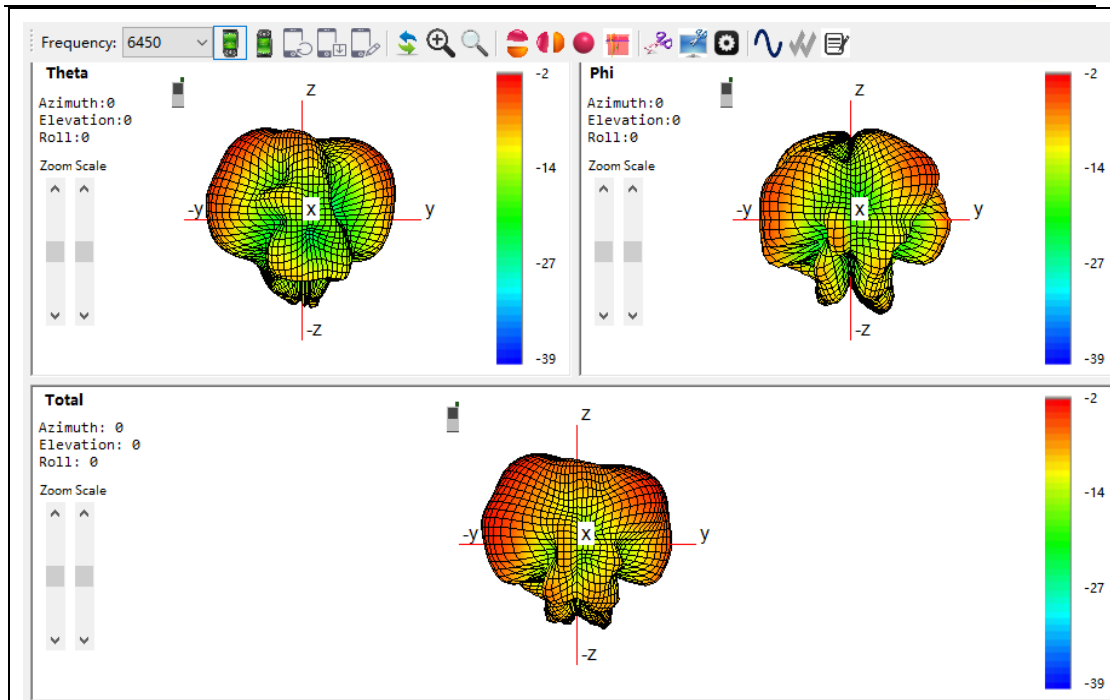
Frequency

5940MHz



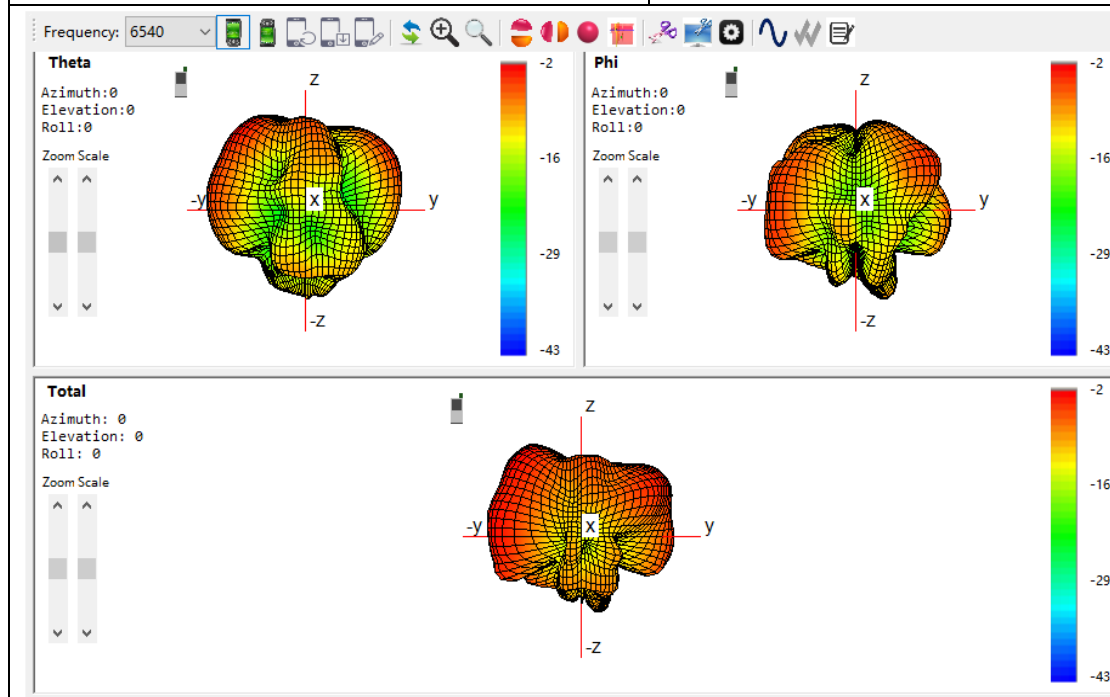
Frequency

6450MHz



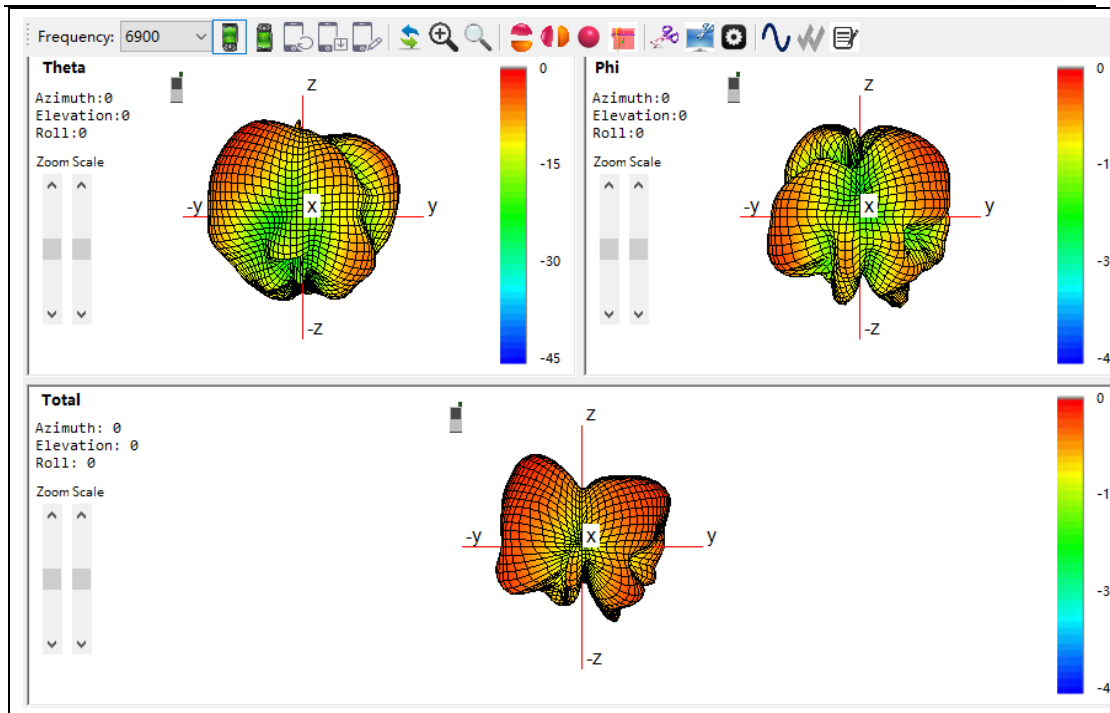
Frequency

6540MHz

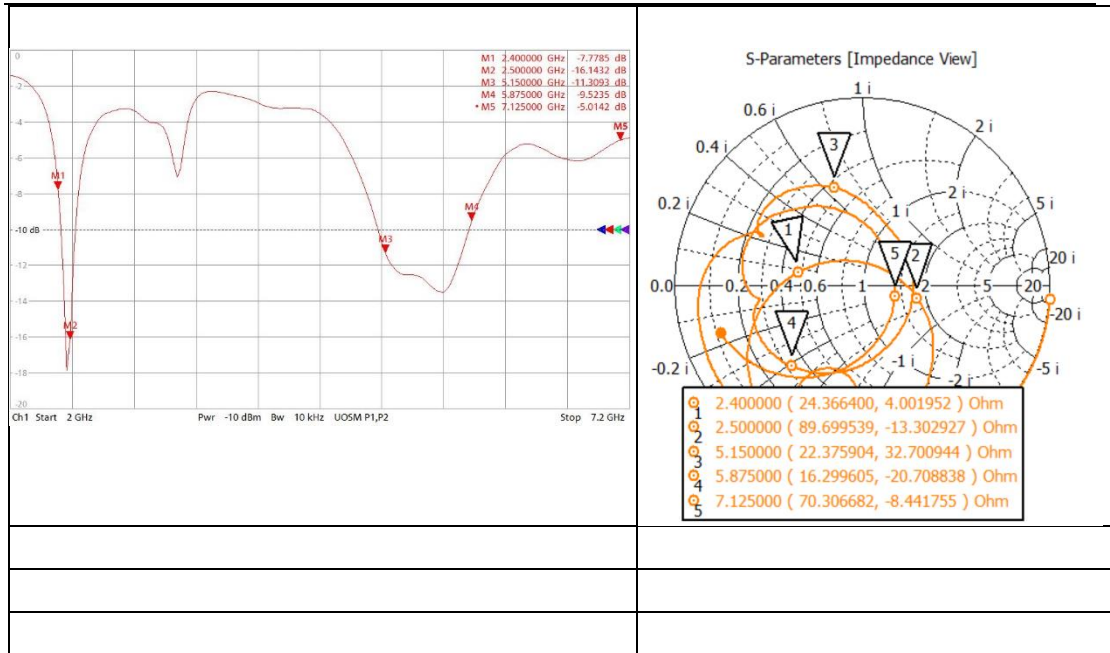


Frequency

6900MHz



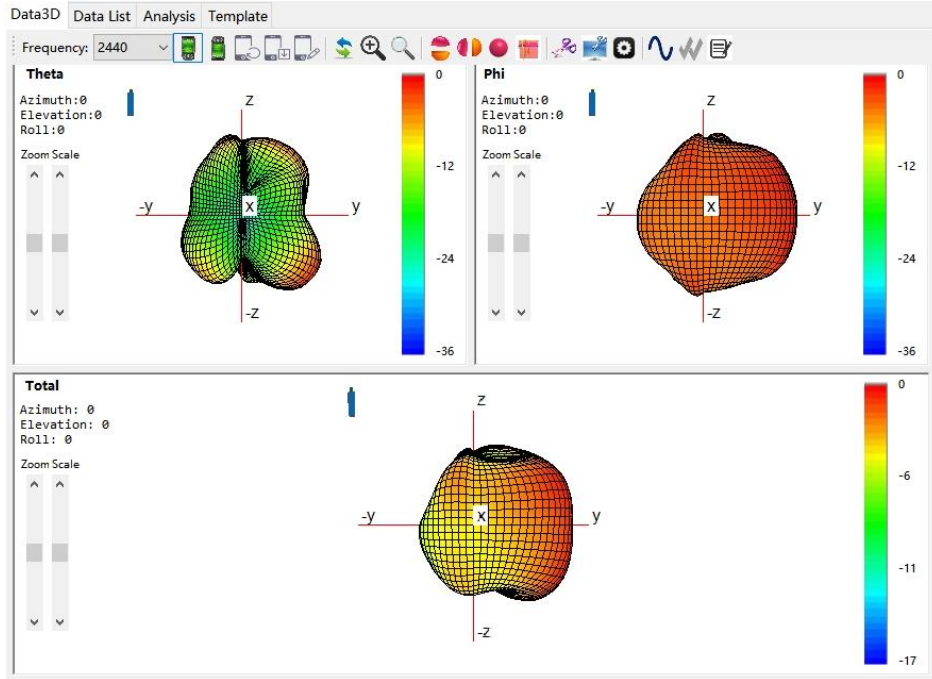
Band for Antenna 18	Combo ant	
	Effi.(dBi)	peak gain(dBi)
2.4G	-5.5	-0.1
5G (5.15-5.25GHz)	-6.3	-3.6
5G (5.25-5.35GHz)	-6	-3
5G (5.47-5.725GHz)	-6.6	-2
5G (5.725-5.85GHz)	-7.1	-2.85
6G (5.925-6.425GHz)	-8.5	-5
6G (6.425-6.525GHz)	-8.9	-5
6G (6.525-6.875GHz)	-9	-5.2
6G (6.875-7.125GHz)	-10.4	-5
Bluetooth	-5.5	-0.1





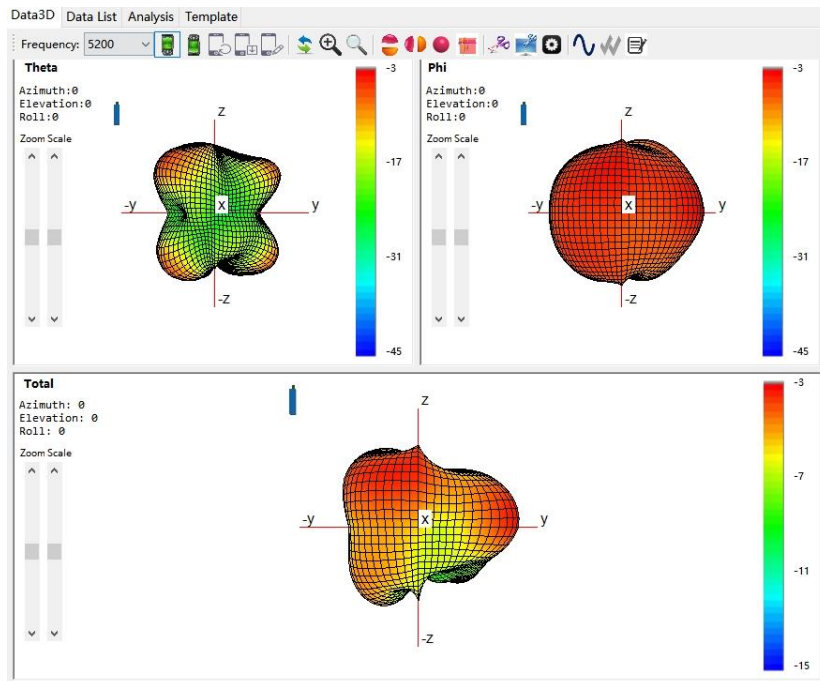
Frequency

2440MHz



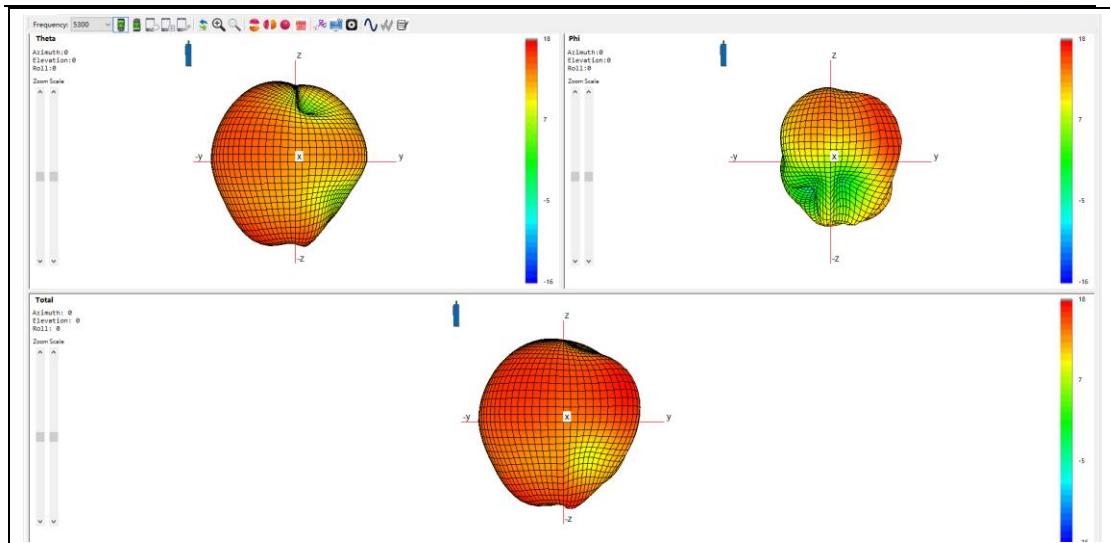
Frequency

5200MHz



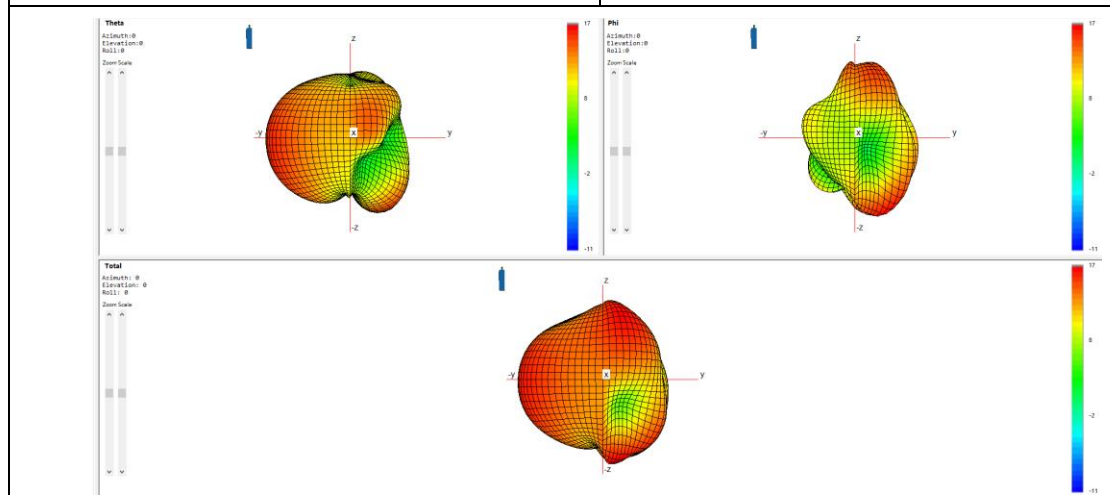
Frequency

5300MHz



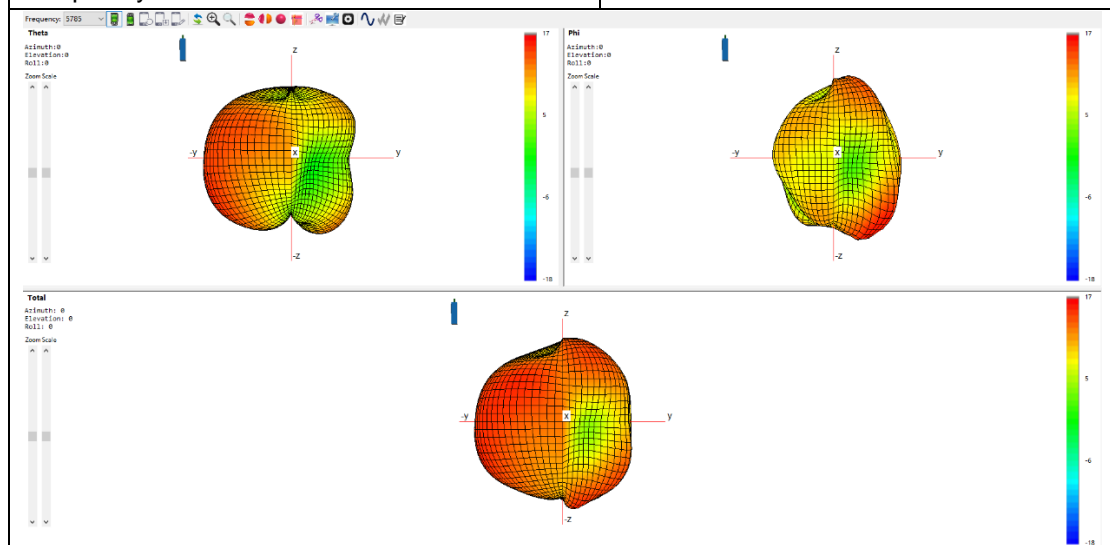
Frequency

5600MHz



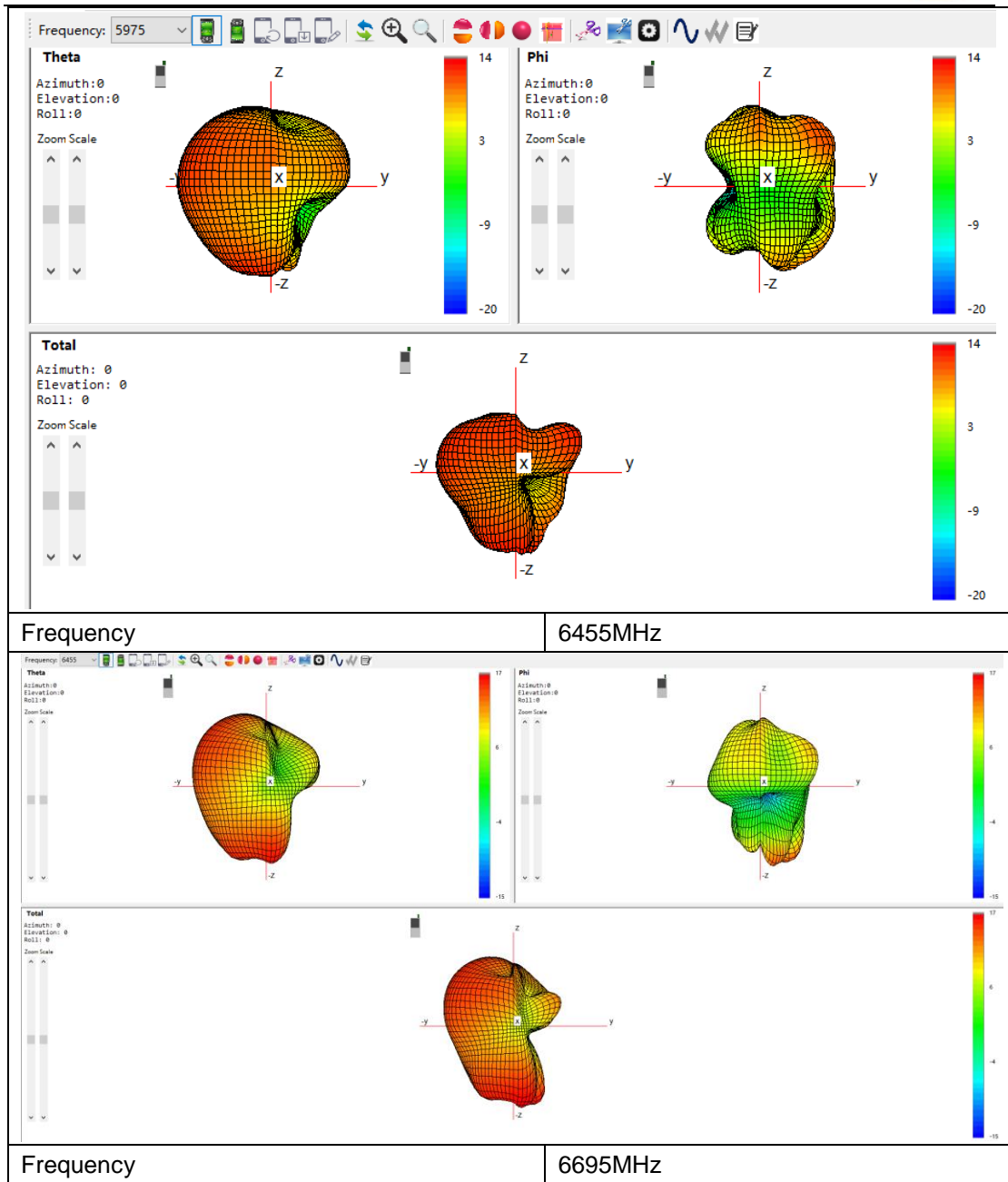
Frequency

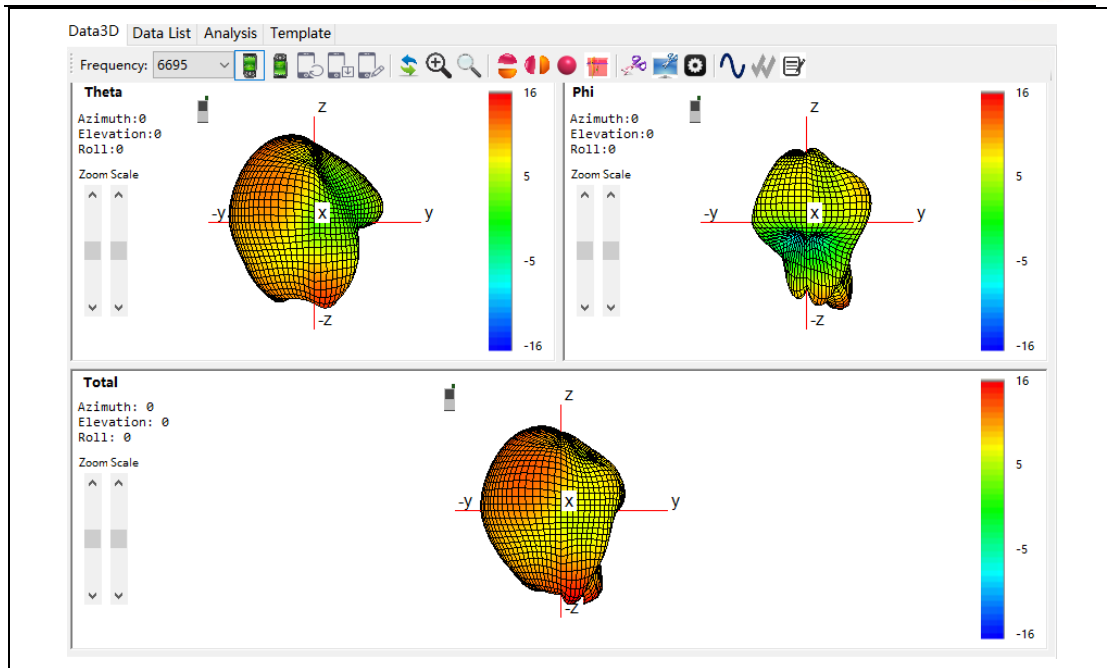
5785MHz



Frequency

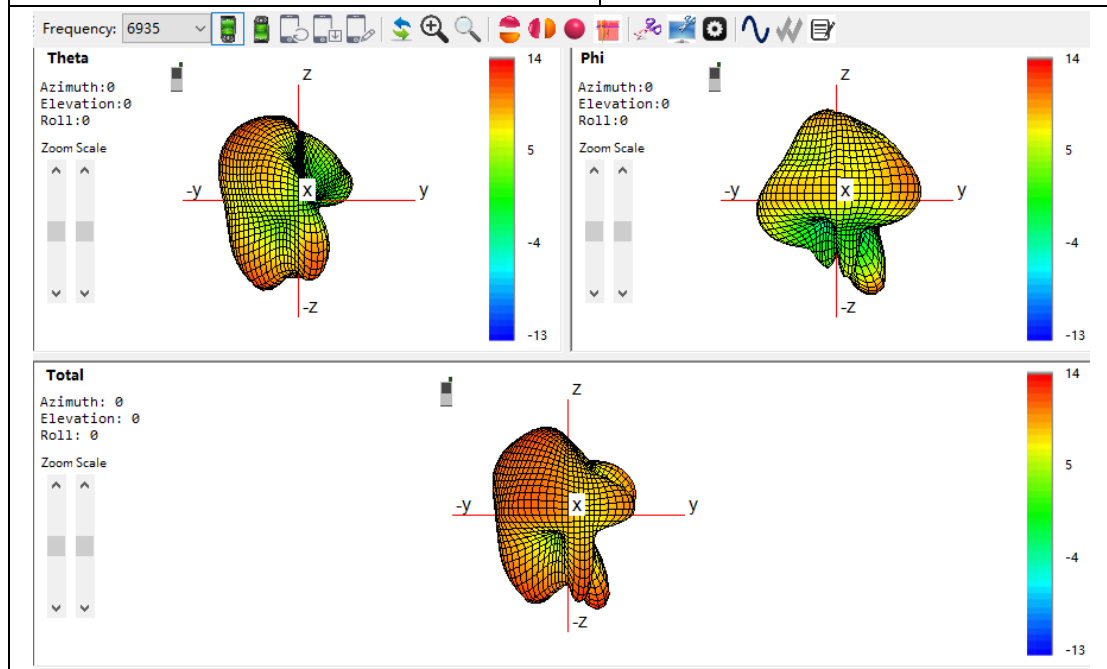
5975MHz





Frequency

6935MHz





3. Main Test Instruments

Name	Manufacturer	Model name	Serial Number	Cal., Date	Exp., Date
E5071C	KEYSIGHT	E5071C	EQ60215	2022-4-21	2023-4-20