



Antenna Performance Description

Applicant: Xiaomi Communications Co., Ltd

Product description: Mobile Phone

Model Name: 2210132G

FCC ID: 2AFZZ132G

Test date: 2022/8/31



1. Antenna information

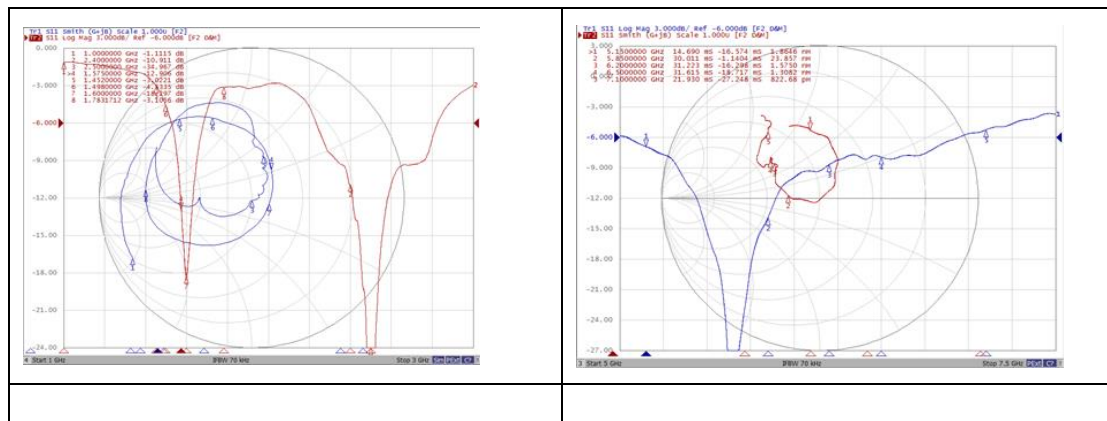
Antenna	Model Name	Antenna Pattern	Antenna Type	Manufacturer	Test party of Antenna gain
ANT1	AL6M13	Metal Frame	PIFA Antenna	Huizhou BYD Electronic Co., Ltd.	Xiaomi Campus, No.33 Xierqi Middle Road, Haidian District, Beijing
ANT2	AL6M13	Metal Frame	PIFA Antenna	Huizhou BYD Electronic Co., Ltd.	Xiaomi Campus, No.33 Xierqi Middle Road, Haidian District, Beijing
NFC	DM-F1228-DF	/	FPC (Flexible Printed Circuit) antenna 48mm*58mm	Shanghai Deman Electronic Technology	/
WPT	/	/	Coil antenna 28mm*49.6mm	LUXSHAREICT	/



2. Test data

Band for Antenna 1	Combo ant	
	Effi.(dBi)	peak gain(dBi)
2.4G WIFI&Bluetooth	-7.0	-2.57
5G (5.15-5.25GHz)	-8.55	-4.89
5G (5.25-5.35GHz)	-6.67	-3.05
5G (5.47-5.725GHz)	-7.73	-2.48
5G (5.725-5.85GHz)	-7.35	-1.35
6G (5.925-6.425GHz)	-7.8	-0.6
6G (6.425-6.525GHz)	-8.4	-3.7
6G (6.525-6.875GHz)	-8.3	-0.7
6G (6.875-7.125GHz)	-8.2	-0.7

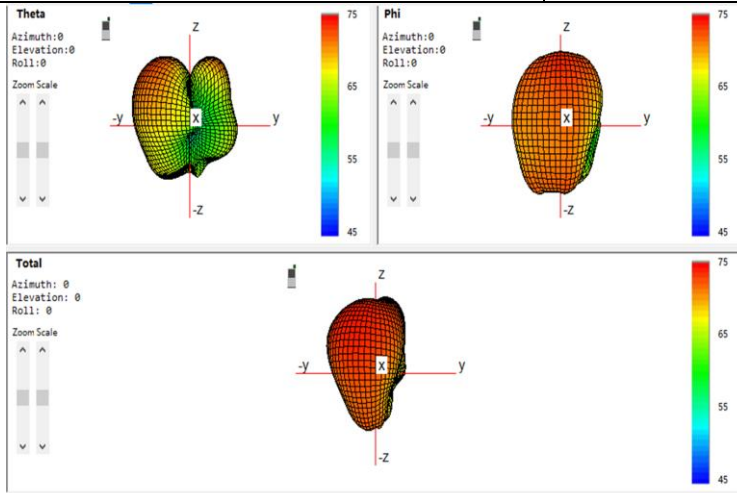
S11





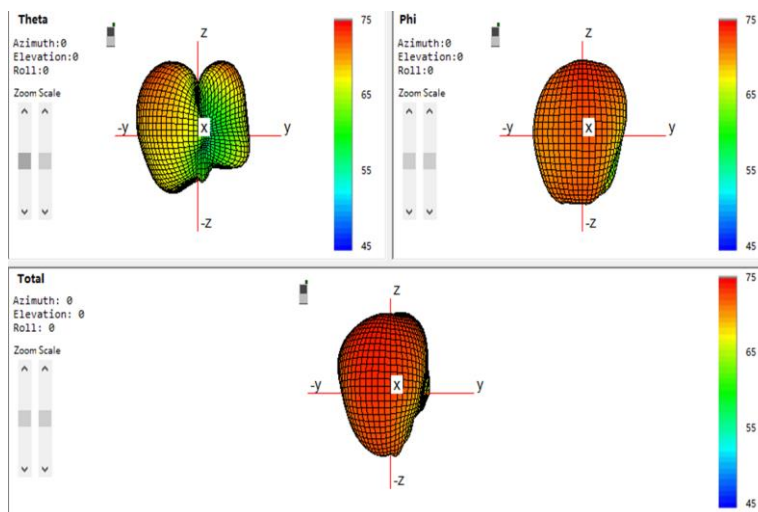
Frequency

2412MHz



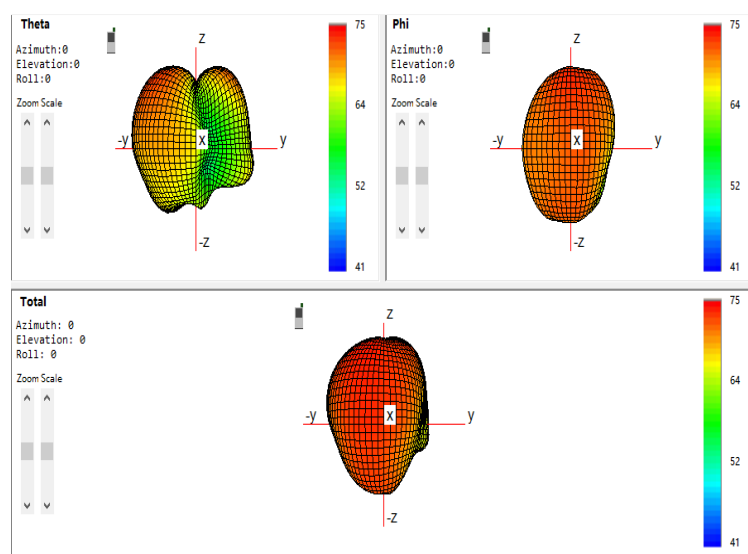
Frequency

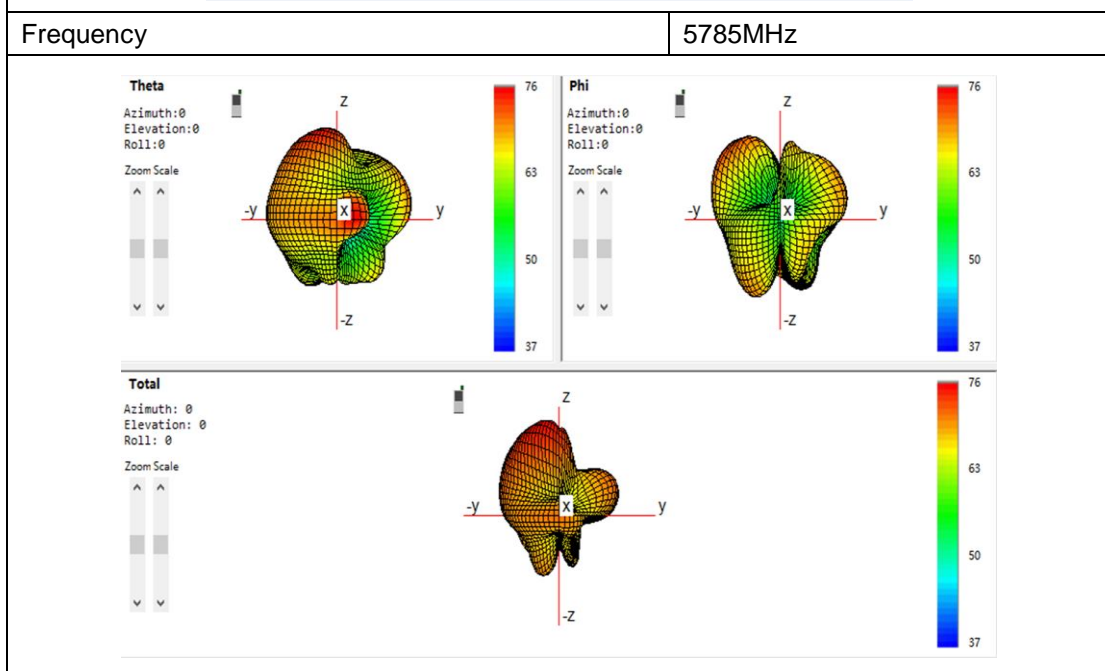
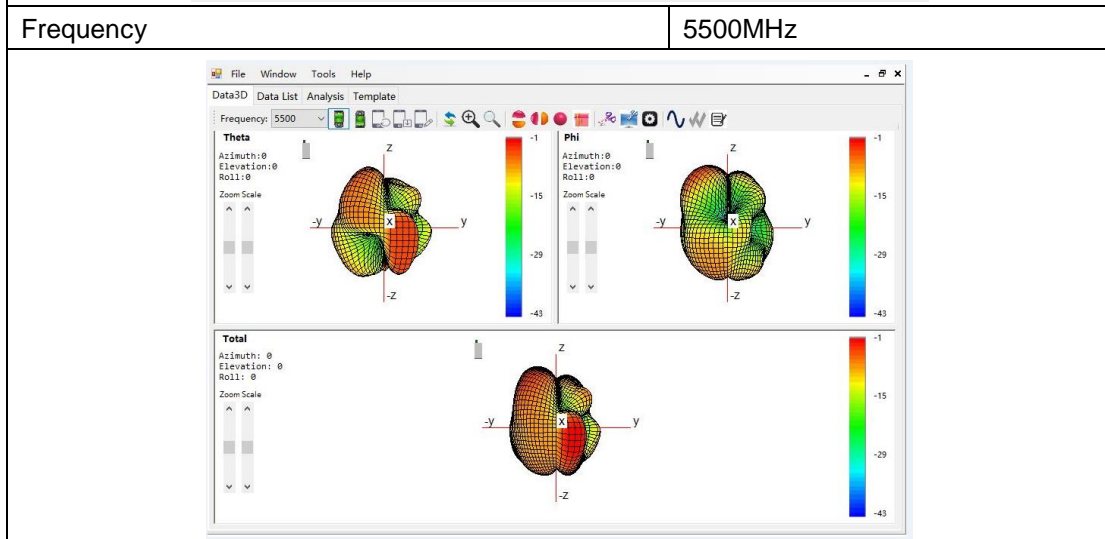
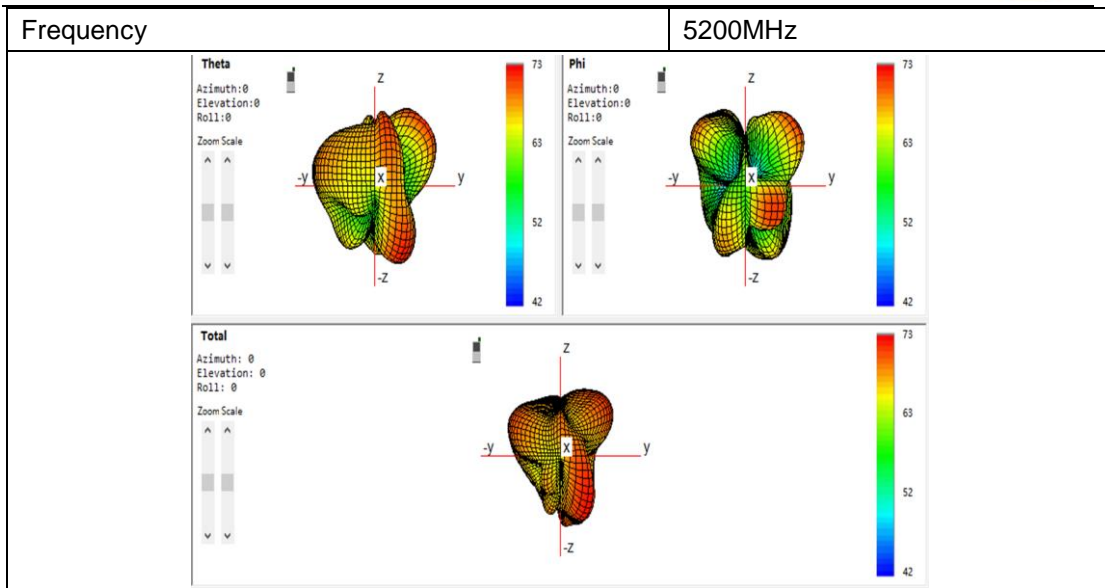
2437MHz



Frequency

2462MHz

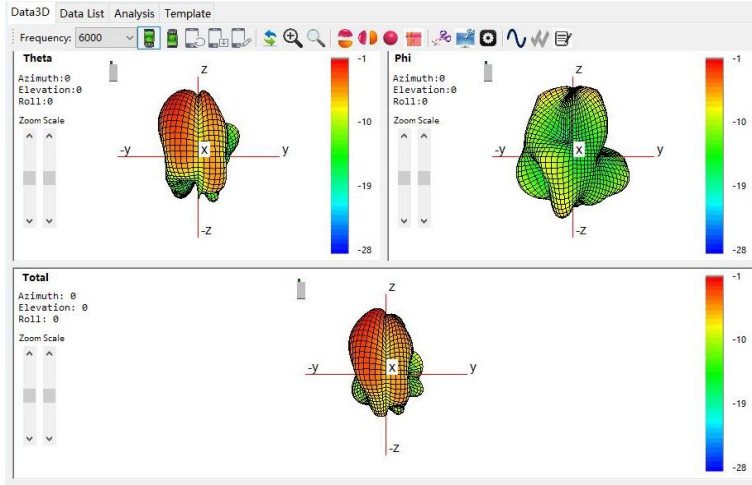






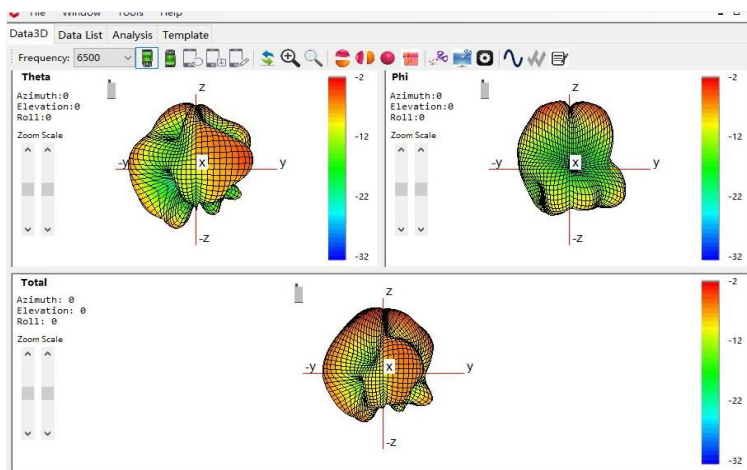
Frequency

6000MHz



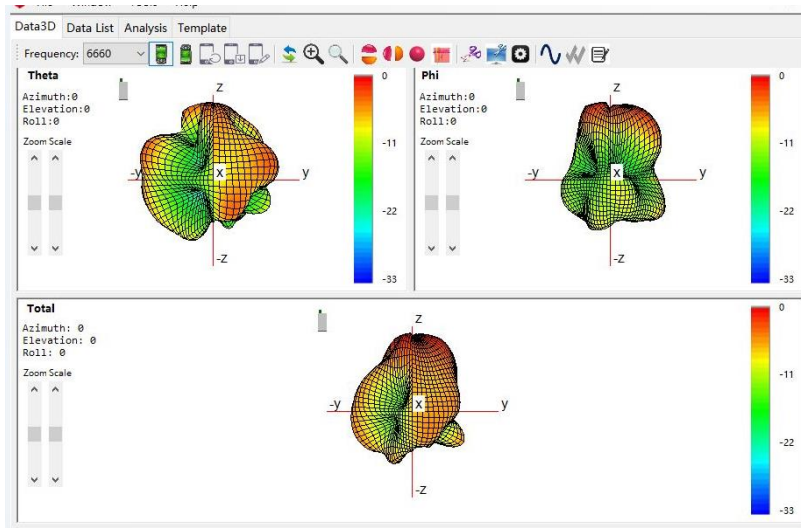
Frequency

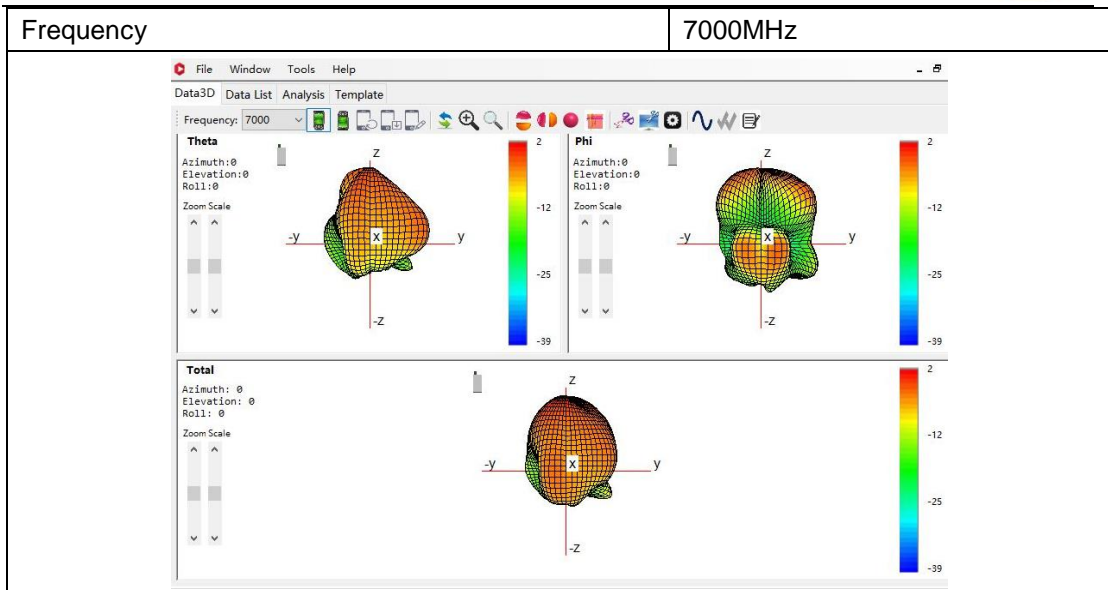
6500MHz



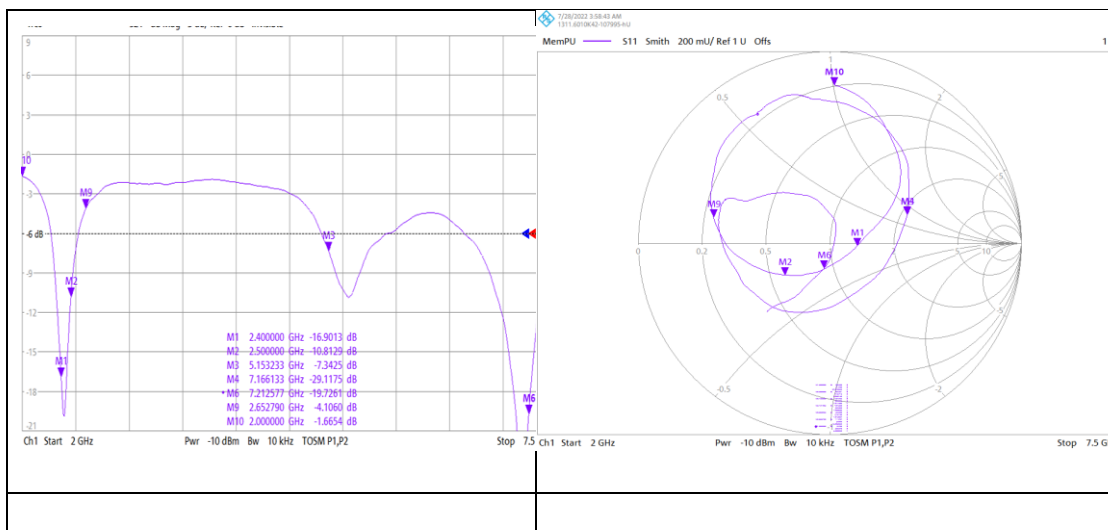
Frequency

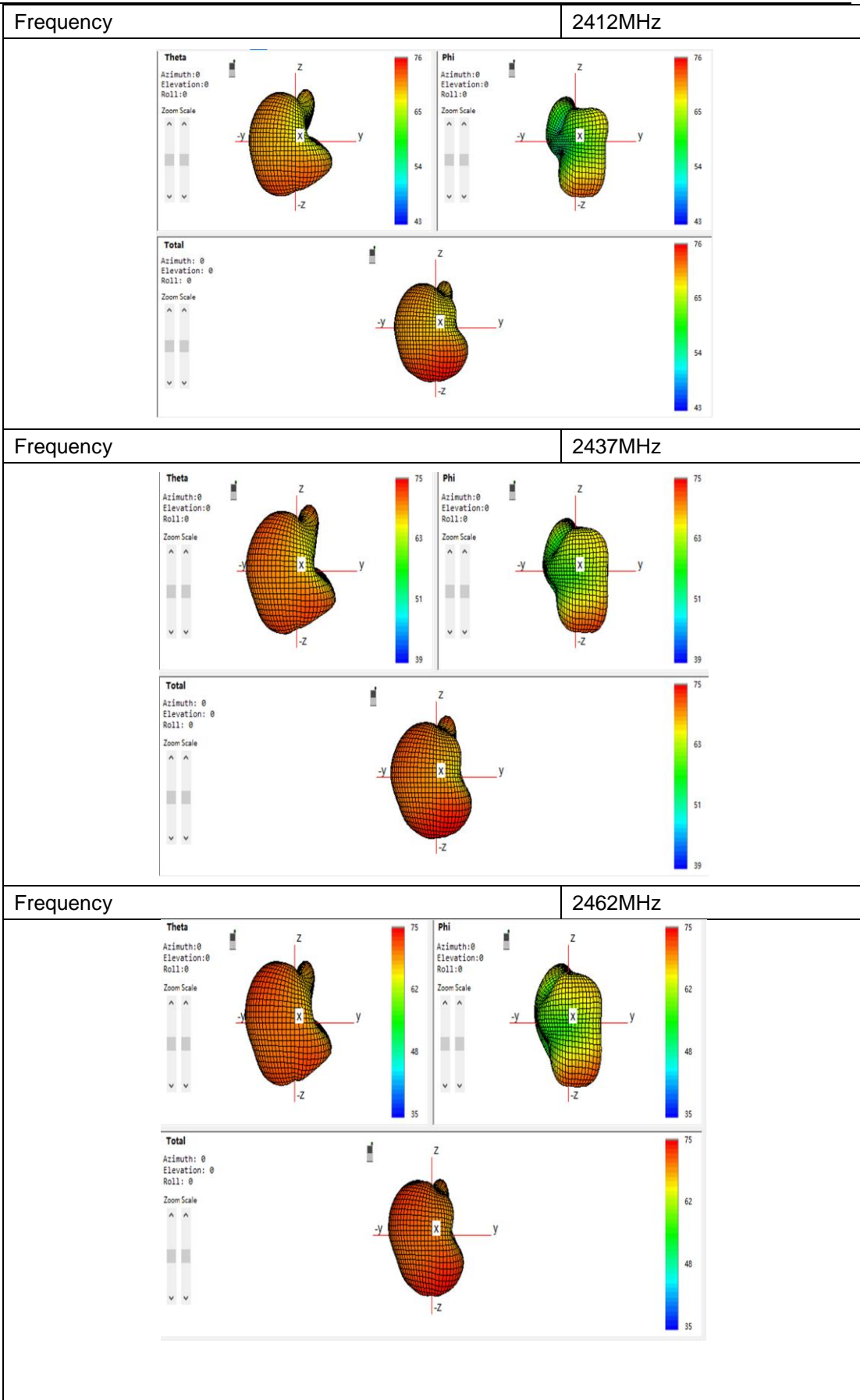
6660MHz

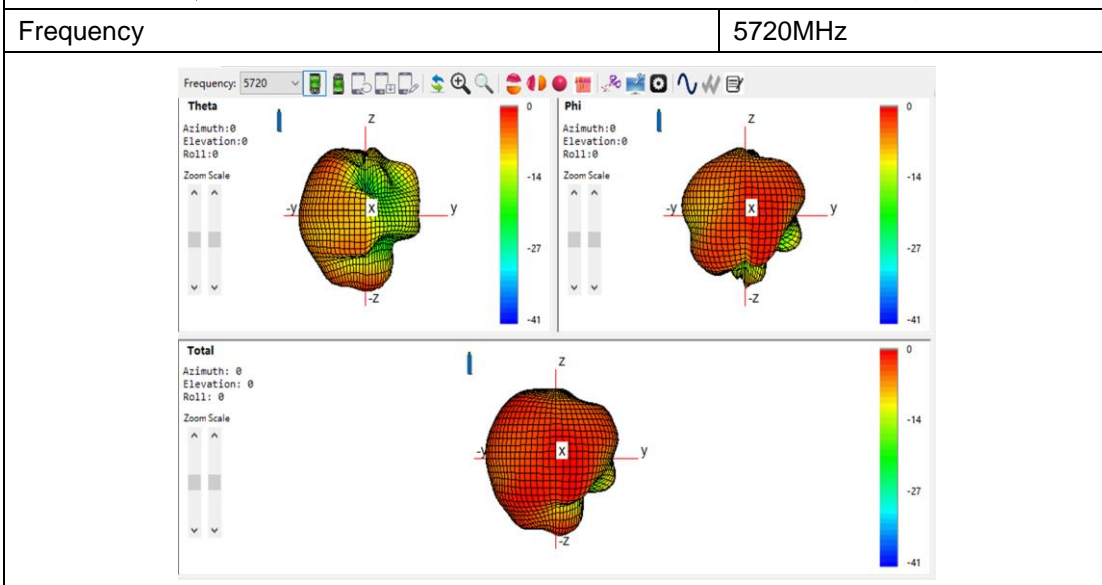
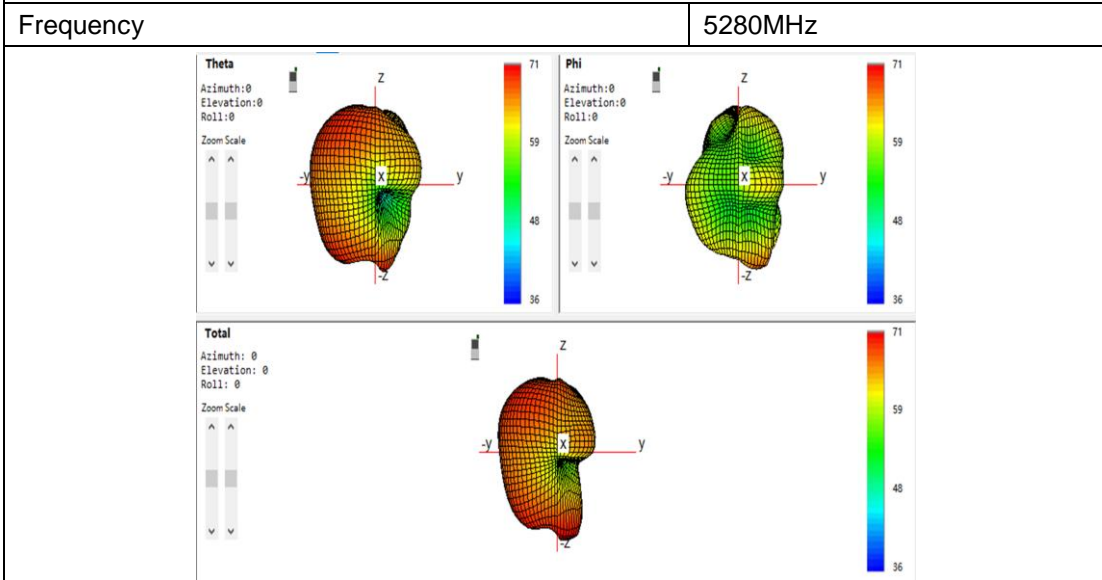
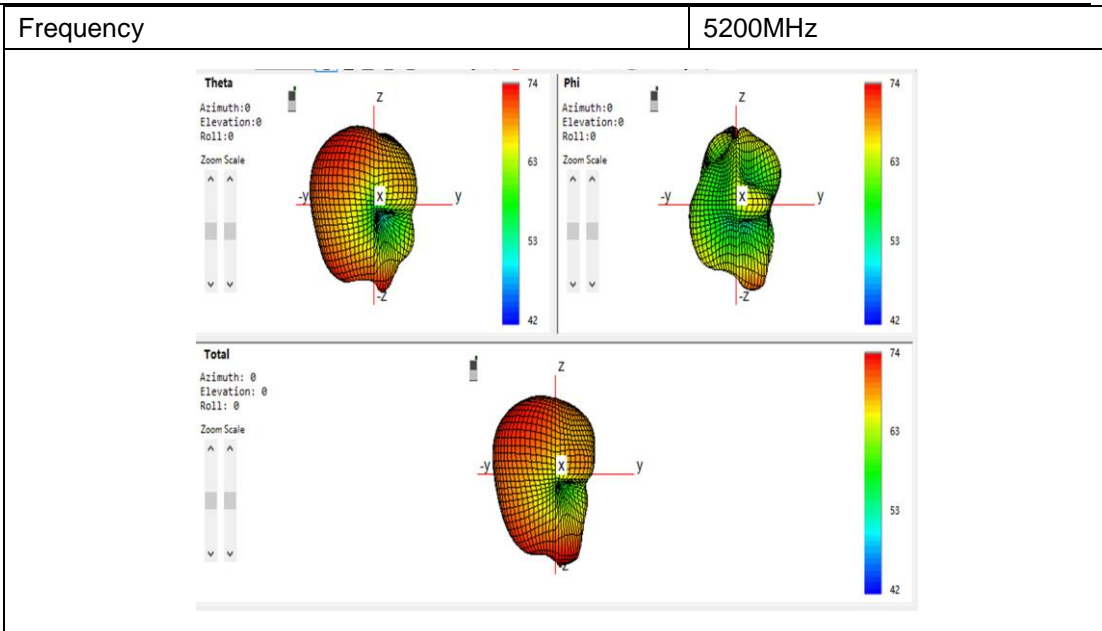


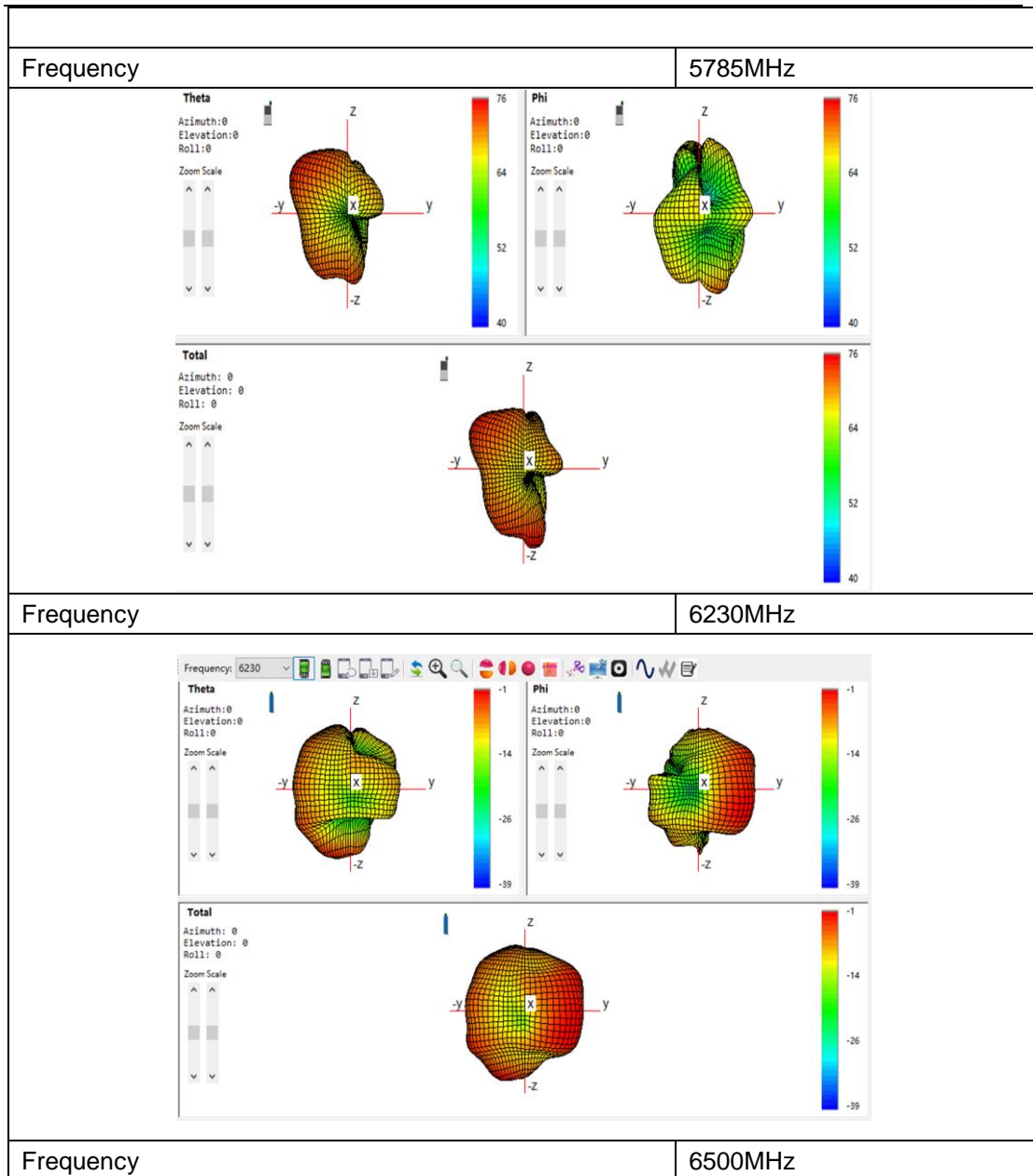


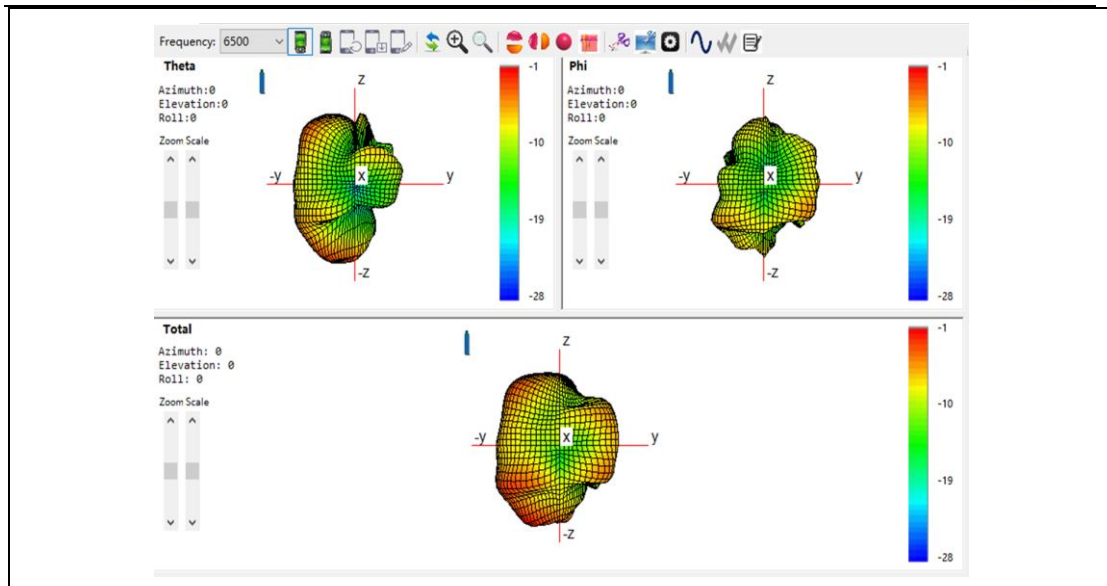
Band for Antenna 2	Combo ant	
	Effi.(dBi)	peak gain(dBi)
2.4G WIFI&BT	-4.9	1.1
5G (5.15-5.25GHz)	-6.75	-2.37
5G (5.25-5.35GHz)	-6.4	-2.21
5G (5.47-5.725GHz)	-5.87	-1.26
5G (5.725-5.85GHz)	-6.55	-1.86
6G (5.925-6.425GHz)	-6.2	-1.8
6G (6.425-6.525GHz)	-6.9	-1.3
6G (6.525-6.875GHz)	-6.2	-1.0
6G (6.875-7.125GHz)	-6.1	-1.5





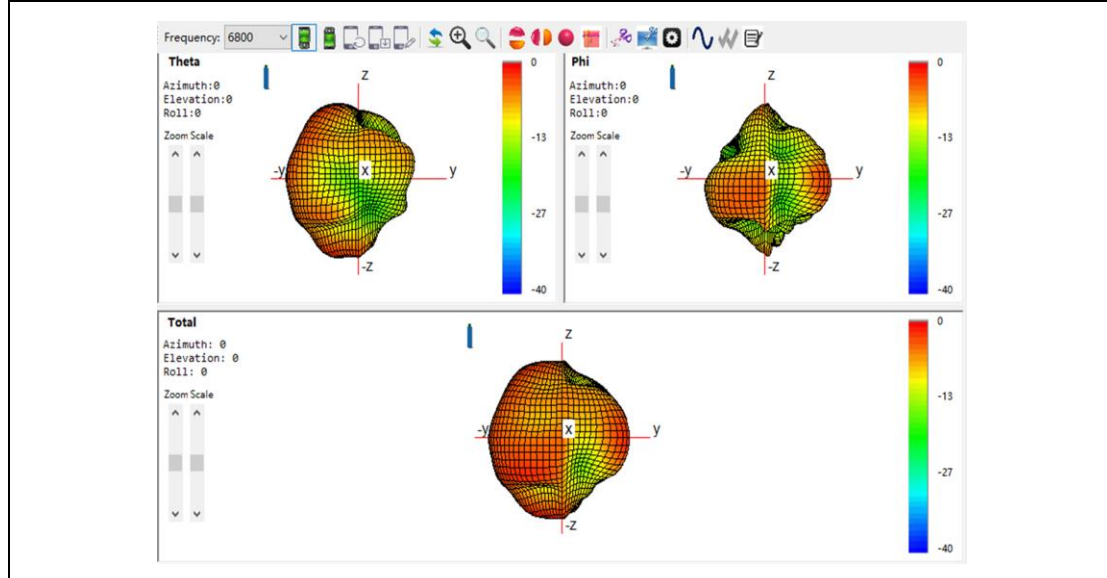






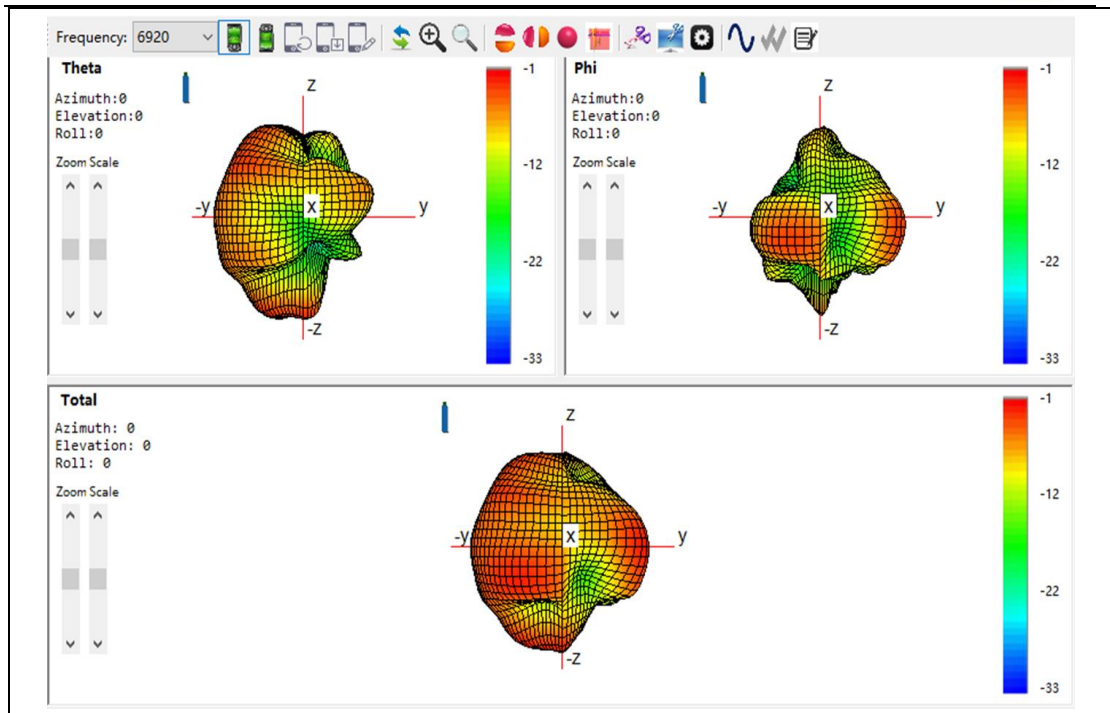
Frequency

6800MHz



Frequency

6920MHz





3. Main Test Instruments

Name	Manufacturer	Model name	Serial Number	Cal., Date	Exp., Date
E5071C	KEYSIGHT	E5071C	MY46733949	2021/12/13	2022/12/12

End of Test Report