



Antenna Performance Description

Applicant: Xiaomi Communications Co., Ltd

Product description: Mobile Phone

Model Name: 23013PC75G

FCC ID: 2AFZZC75G

Test date: 2022/09/30



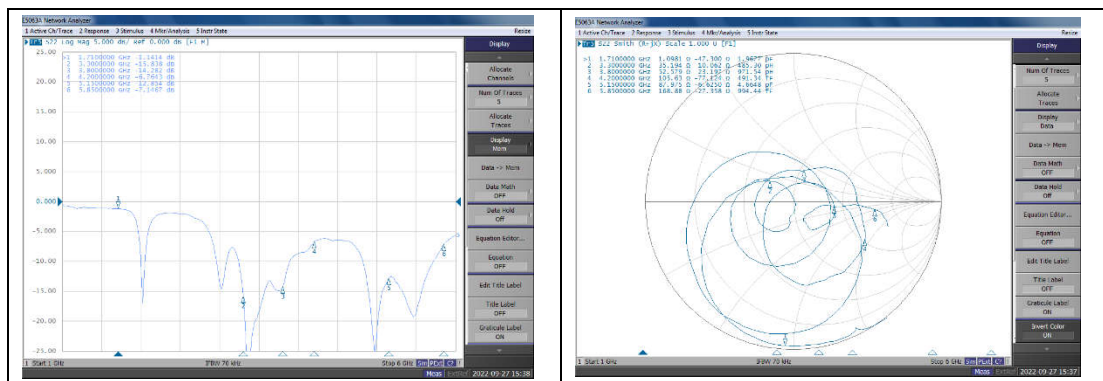
1. Antenna information

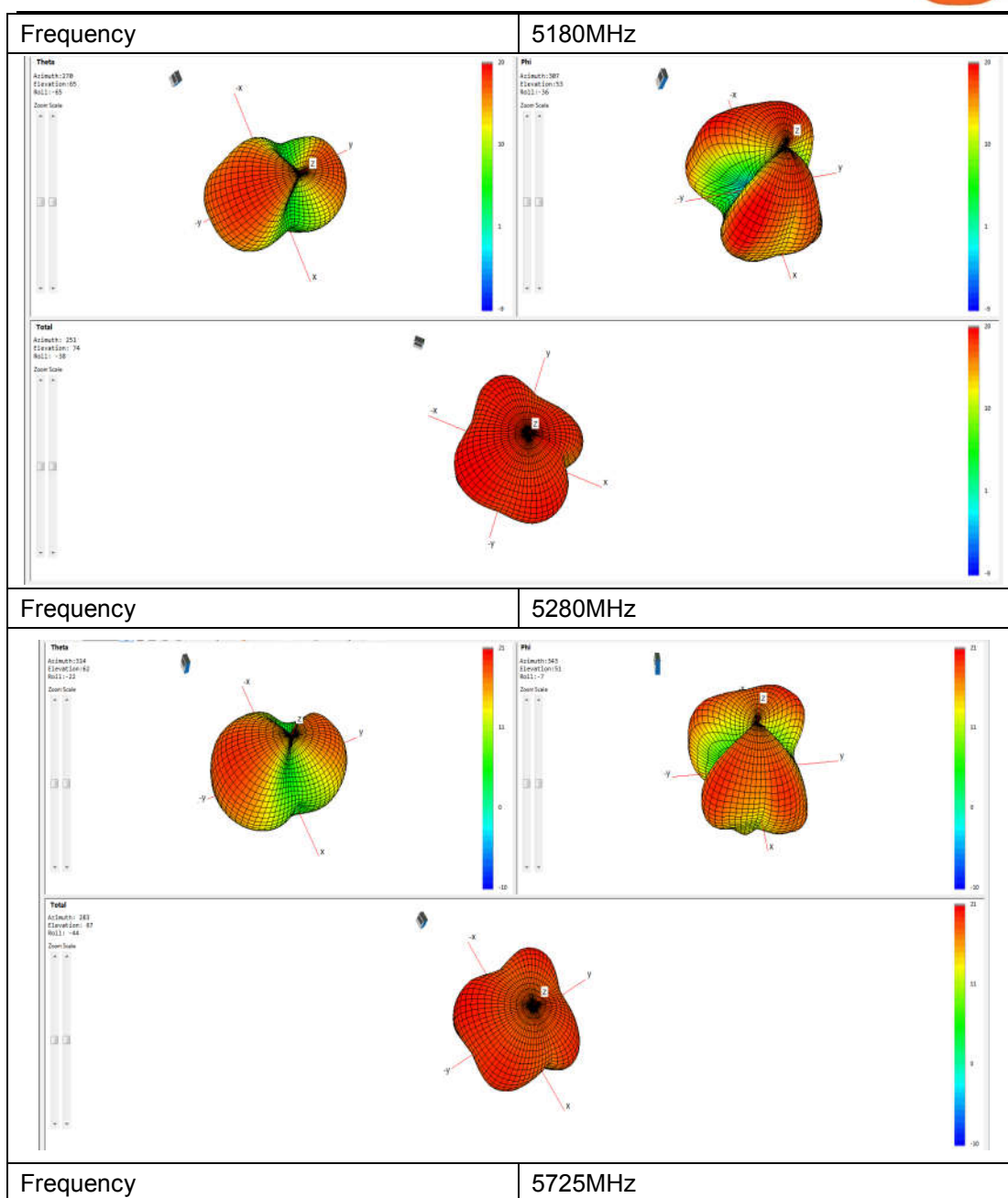
Antenna	Pattern	Antenna Type	Manufacturer	Test party of Antenna gain
ANT6	Metal Frame	PIFA Antenna	Huizhou Winone Precision Technology Co., Ltd	Shenzhen Xiaomi Communications Co., Ltd.
ANT7	Metal Frame	PIFA Antenna	Huizhou Winone Precision Technology Co., Ltd	Shenzhen Xiaomi Communications Co., Ltd.
ANT16	Metal Frame	PIFA Antenna	Huizhou Winone Precision Technology Co., Ltd	Shenzhen Xiaomi Communications Co., Ltd.
ANT18	Metal Frame	PIFA Antenna	Huizhou Winone Precision Technology Co., Ltd	Shenzhen Xiaomi Communications Co., Ltd.
NFC 32.5mm*37.5 5mm*0.19mm	N/A	Coil Antenna	st microelectronics	N/A

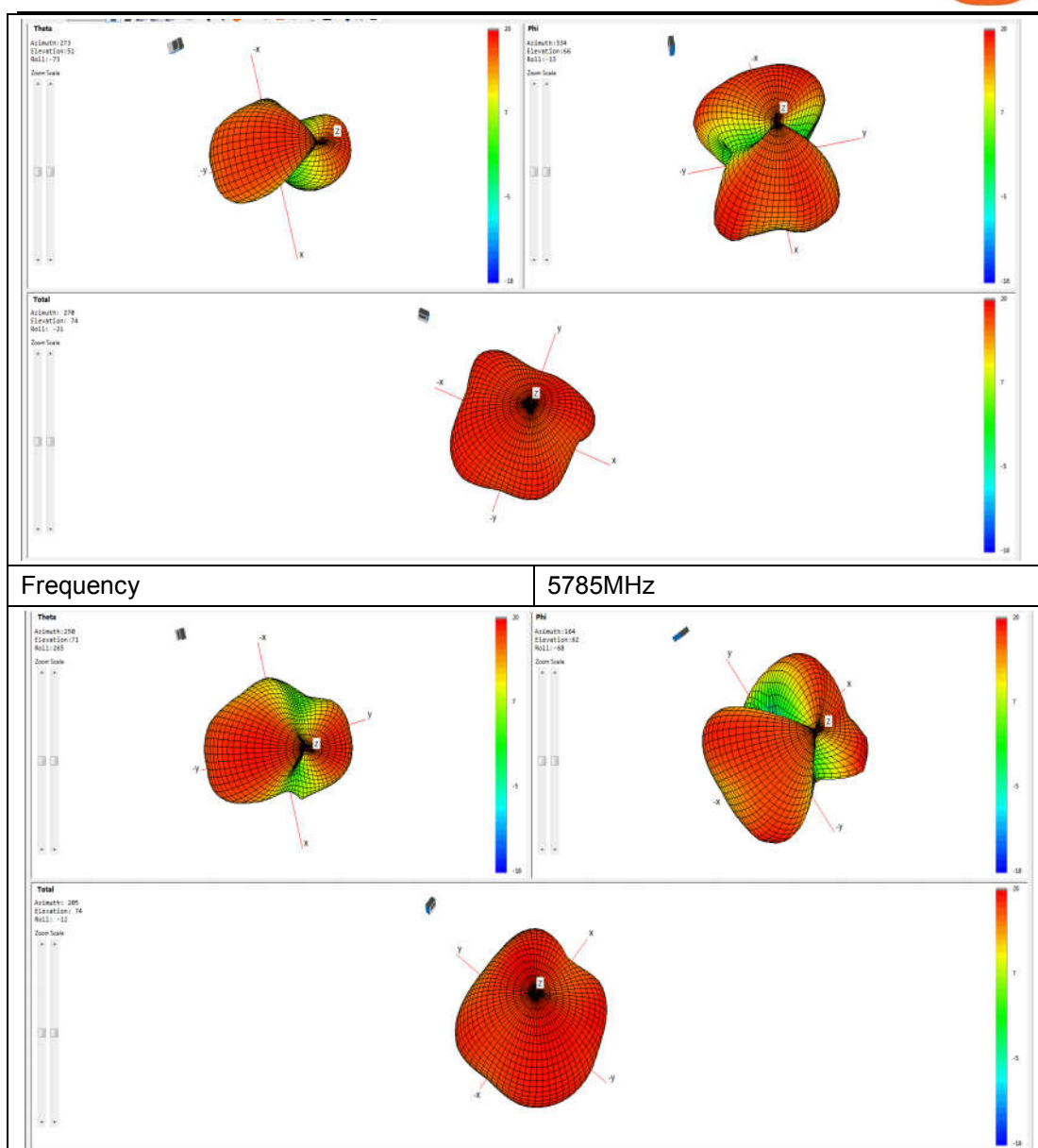


2. Test data

Band for Antenna 6	WIFI 5G ant	
	Effi.(dBi)	peak gain(dBi)
5G (5.15-5.25GHz)	-5.2	-1.2
5G (5.25-5.35GHz)	-5	-0.7
5G (5.47-5.725GHz)	-5	-0.7
5G (5.725-5.85GHz)	-5.1	-0.8

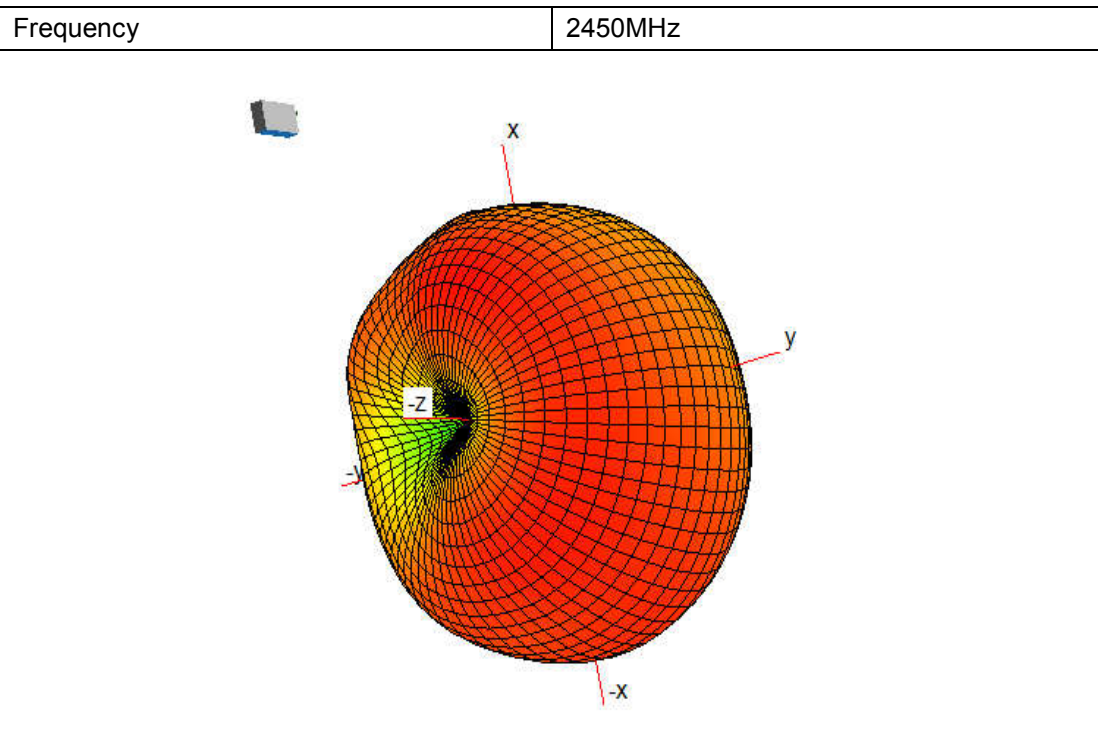
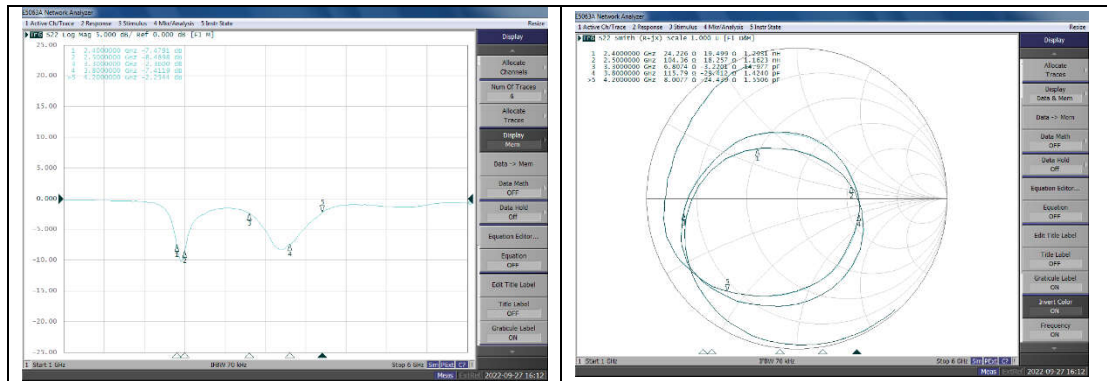






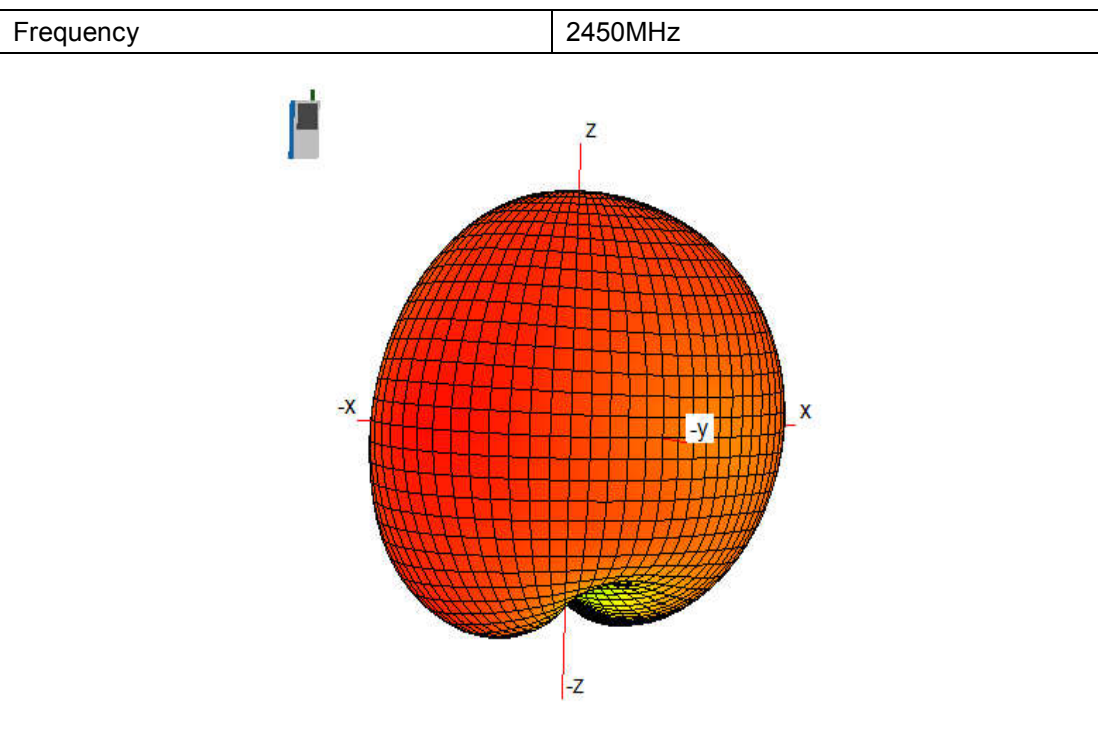
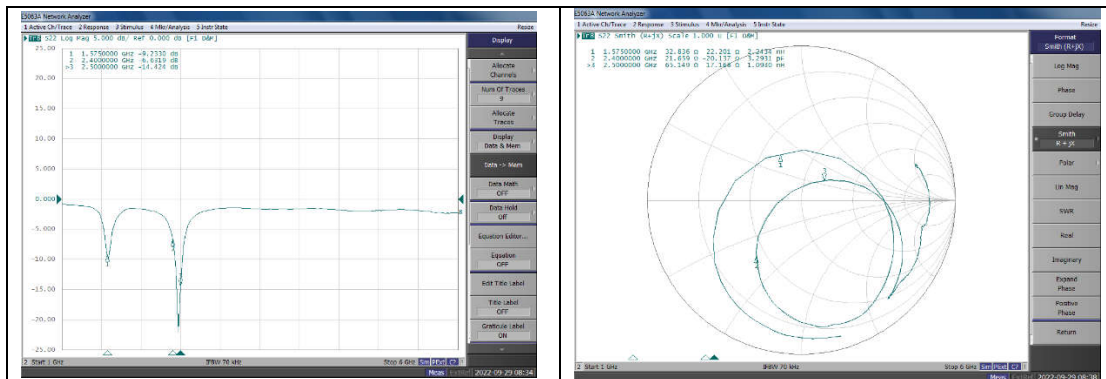


Band for Antenna 7	WIFI 2.4G ant	
	Effi.(dBi)	peak gain(dBi)
2.4G	-6.5	-1.6
Bluetooth	-6.5	-1.6



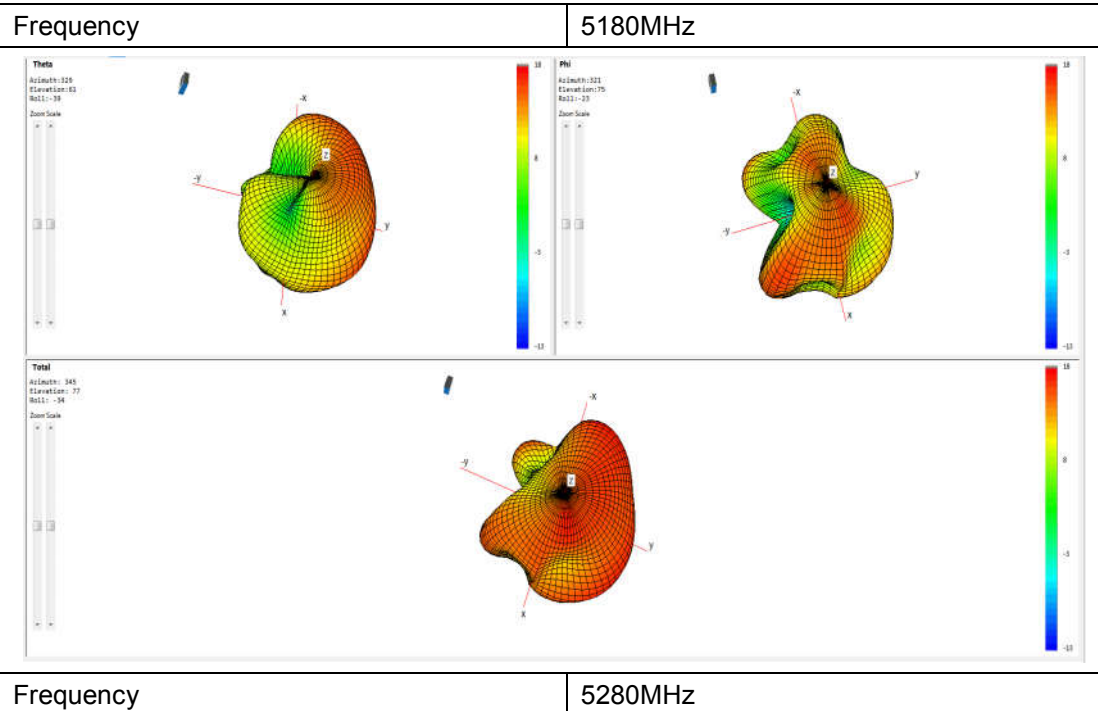
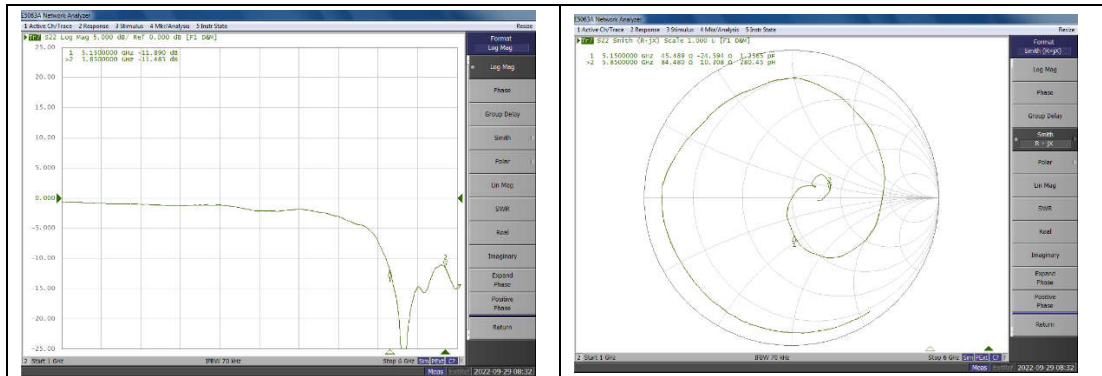


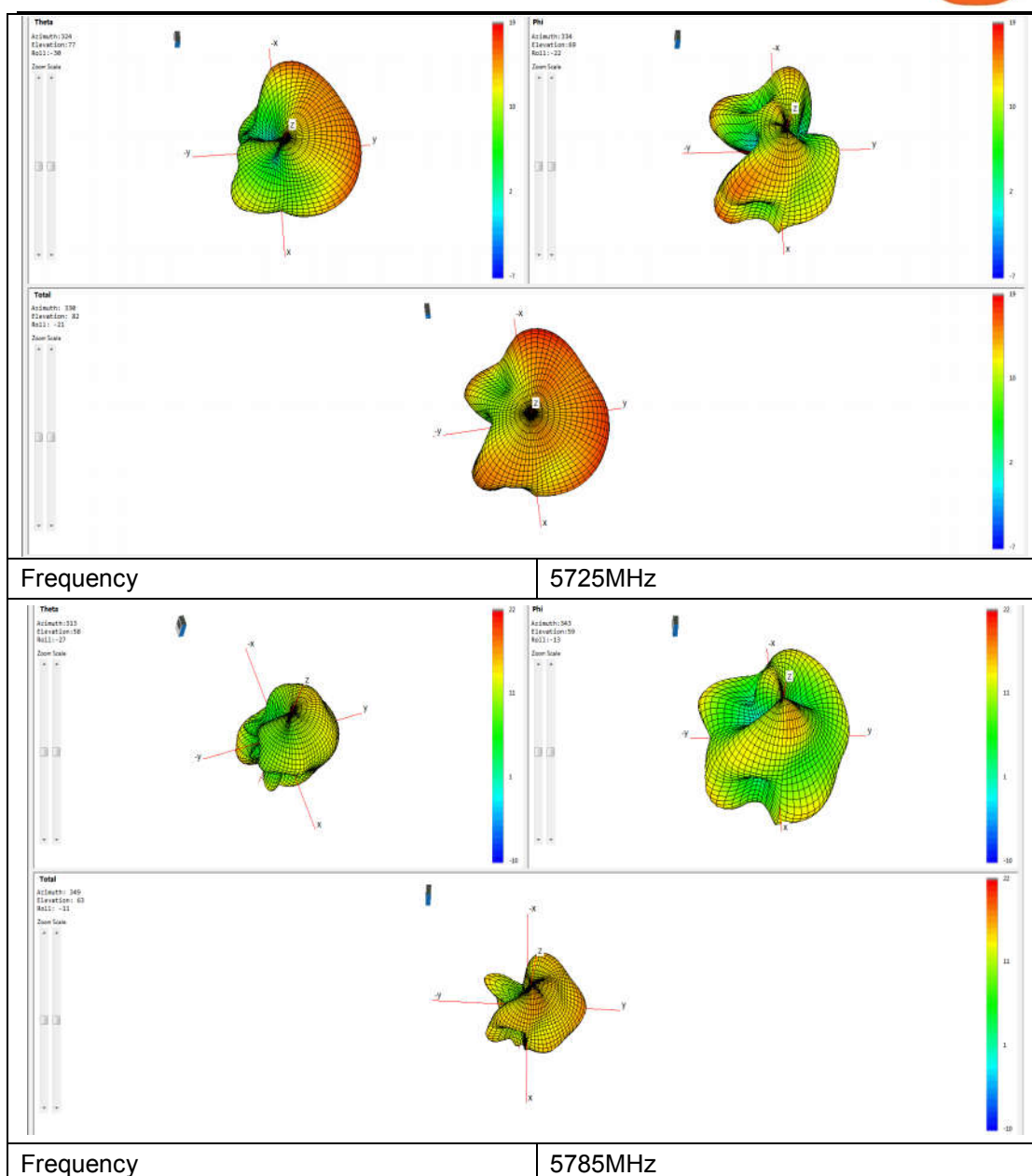
Band for Antenna 16	WIFI 2.4G ant	
	Effi.(dBi)	peak gain(dBi)
2.4G	-6.2	-1.3
Bluetooth	-6.2	-1.3

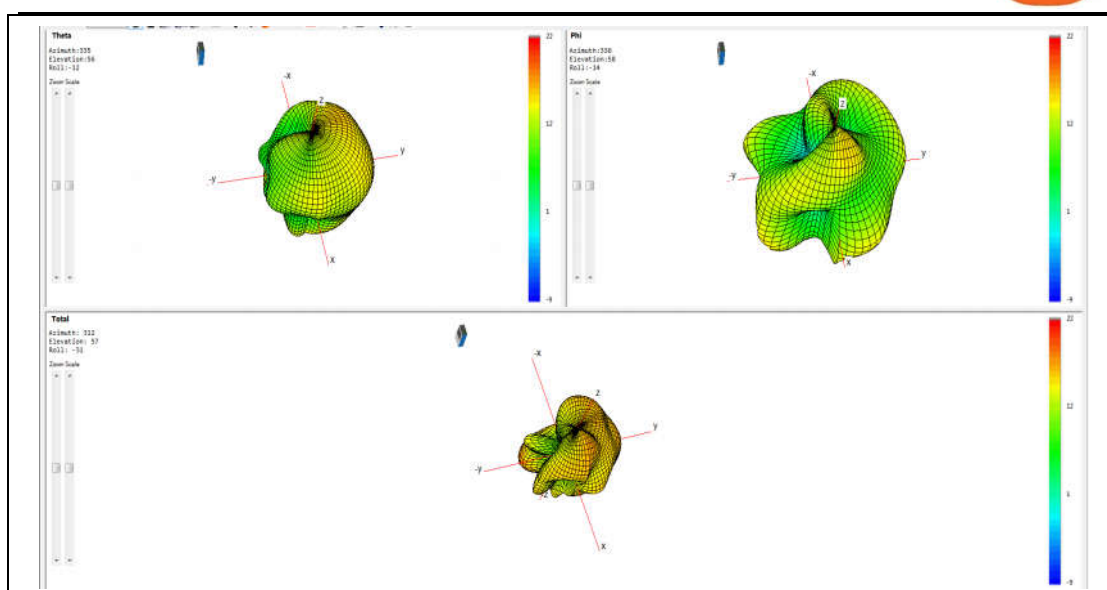




Band for Antenna 18	WIFI 5G ant	
	Effi.(dBi)	peak gain(dBi)
5G (5.15-5.25GHz)	-6	-1.6
5G (5.25-5.35GHz)	-5.5	-1.5
5G (5.47-5.725GHz)	-5.5	-1.5
5G (5.725-5.85GHz)	-5.5	-1.5









3. Main Test Instruments–

Name	Manufacturer	Model name	Serial Number	Cal., Date	Exp., Date
E5071C	KEYSIGHT	E5071C	EQ80224	2022-09-29	2022-9-30

End of Test Report