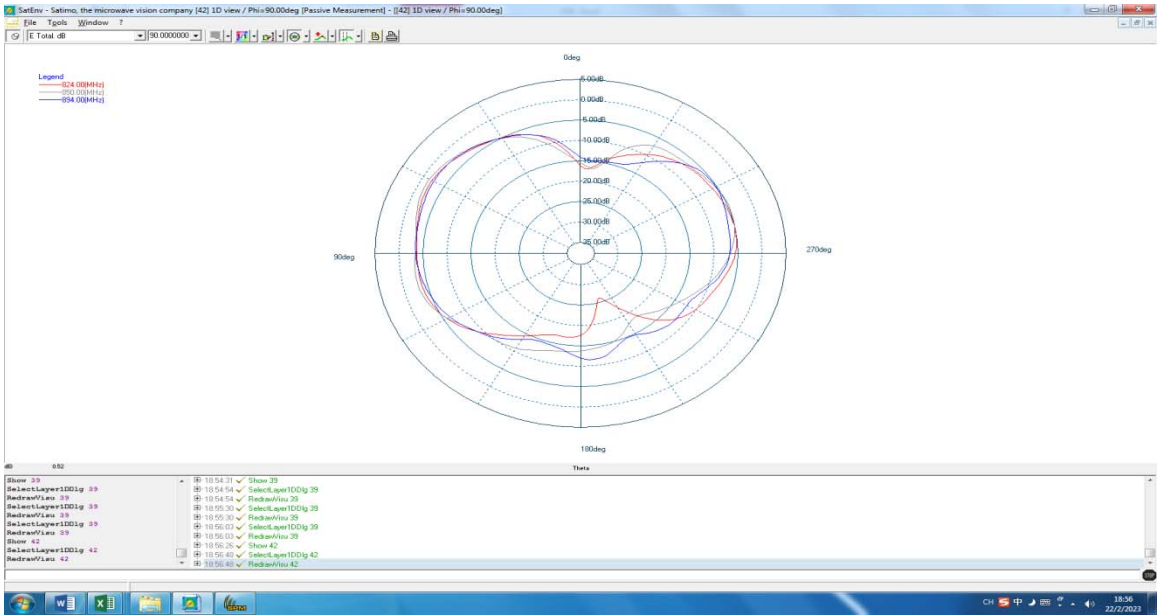
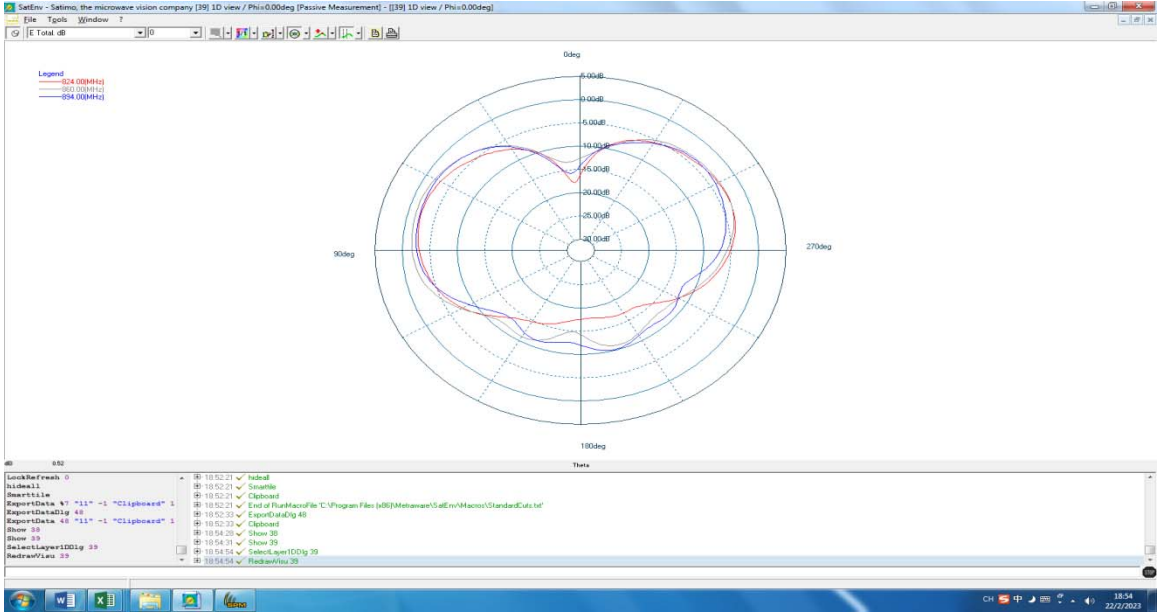


Antenna information:			
	Antenna 1 (WWAN Main antenna)	Model/Part Number:	P29
		Manufacturer:	Shenzhen ZTX Communication Technology Co., Ltd NO.34 Shilong Road, Bao'an District, Shenzhen, Guangdong Province, China
		Frequency Range:	GSM 850/PCS 1900 WCDMA: B2/B4/B5 FDD-LTE: B2/B4/B5/B7/B12/B13/B17/B25/B66/B71 TDD-LTE:B38/B41
		Connector Type/	Maximum Gain GSM:B2:2.3dBi/B5:-0.32dBi WCDMA:B2:2.3dBi/B4:3.1dBi/B5:-0.32dBi
		Maximum Gain	FDD-LTE: B2:2.3dBi/B4:3.1dBi/B5:-0.32dBi/B7:3.46/B12:-0.56dBi /B13:-0.46dBi/B17:-0.56dBi/B25:2.3dBi/B26:-0.32dBi/B66:3.1dBi/B71:-1.13dBi TDD-LTE:B38:3.46dBi/B41:3.46dBi
		Antenna Type/ Pattern:	PIFA
		Measurement:	59.82*16.10*0.12
	Antenna 2	Model/Part Number:	P29
		Manufacturer:	Shenzhen ZTX Communication Technology Co., Ltd NO.34 Shilong Road, Bao'an District, Shenzhen, Guangdong Province, China
		Frequency Range:	WIFI 2.4G ,5G , BT,BLE
		Connector Type/	WIFI , BT,BLE

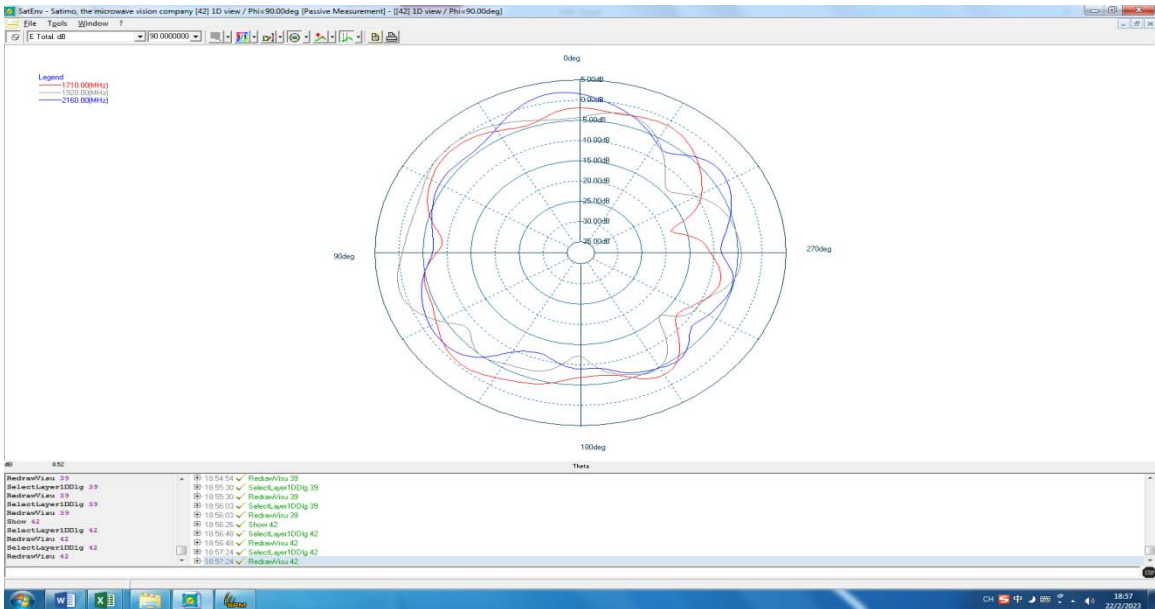
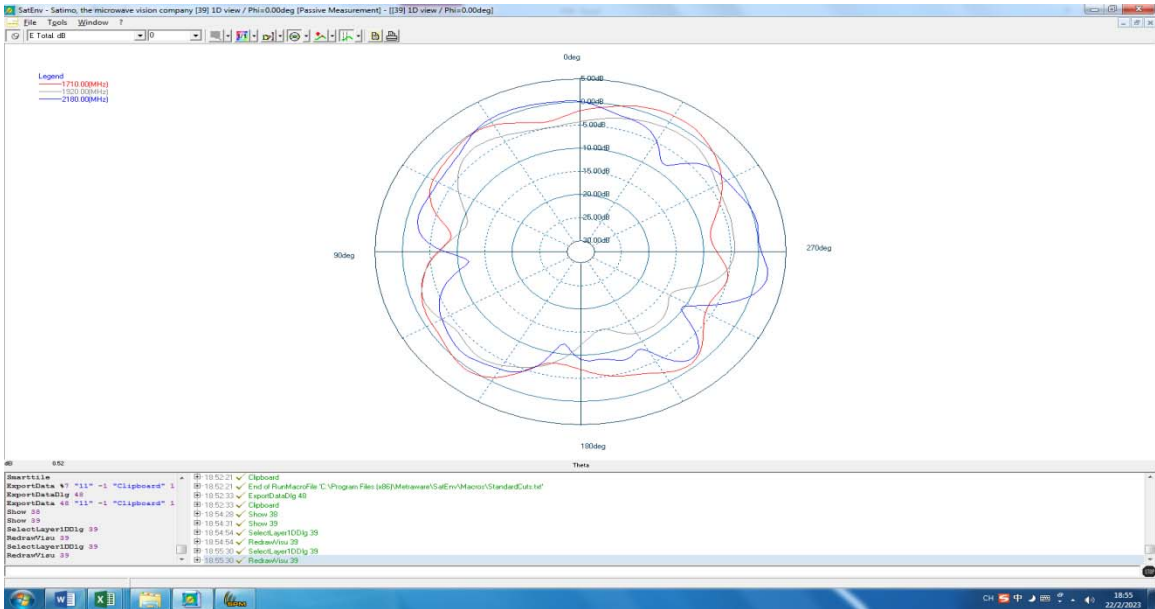
		Maximum Gain	2.4G:4.12dBi ,5G:4.35dBi
		Antenna Type/ Pattern:	PIFA
		Measurement:	18.17*9.79*0.12
	Antenna 3 (WWAN DIV antenna)	Model/Part Number:	P29
		Manufacturer:	Shenzhen ZTX Communication Technology Co., Ltd NO.34 Shilong Road, Bao'an District, Shenzhen, Guangdong Province, China
		Frequency Range:	GSM 850/PCS 1900 WCDMA: B2/B4/B5 FDD-LTE: B2/B4/B5/B7/B12/B13/B17/B25/B66/B71 TDD-LTE:B38/B41
		Connector Type/	Maximum Gain GSM:B2:2.3dBi/B5:-0.76dBi
		Maximum Gain	WCDMA: B2:2.3dBi/B4:2.51dBi/B5 :-0.76dBi FDD-LTE: B2:2.3dBi/B4:2.51dBi/B5 :-0.76dBi/B7:3.28dBi/B12:-1.23dBi /B13:-1.17dBi/B17:-1.23dBi/B25:2.3dBi/B26:-0.76dBi/B66:2.51 dBi/B71:-1.88dBi TDD-LTE:B38:3.28dBi/B41:3.28dBi
		Antenna Type/ Pattern:	PIFA
		Measurement:	33.08*21.81*0.12
	Antenna 4	Model/Part Number:	P29
		Manufacturer:	Shenzhen ZTX Communication Technology Co., Ltd NO.34 Shilong Road, Bao'an District, Shenzhen, Guangdong Province, China

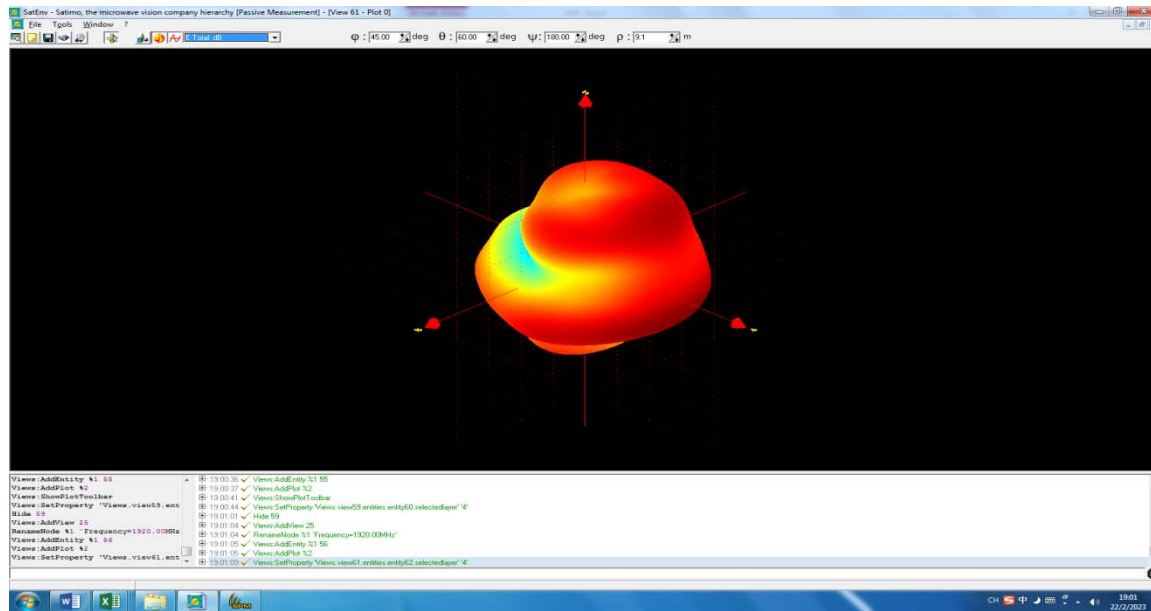
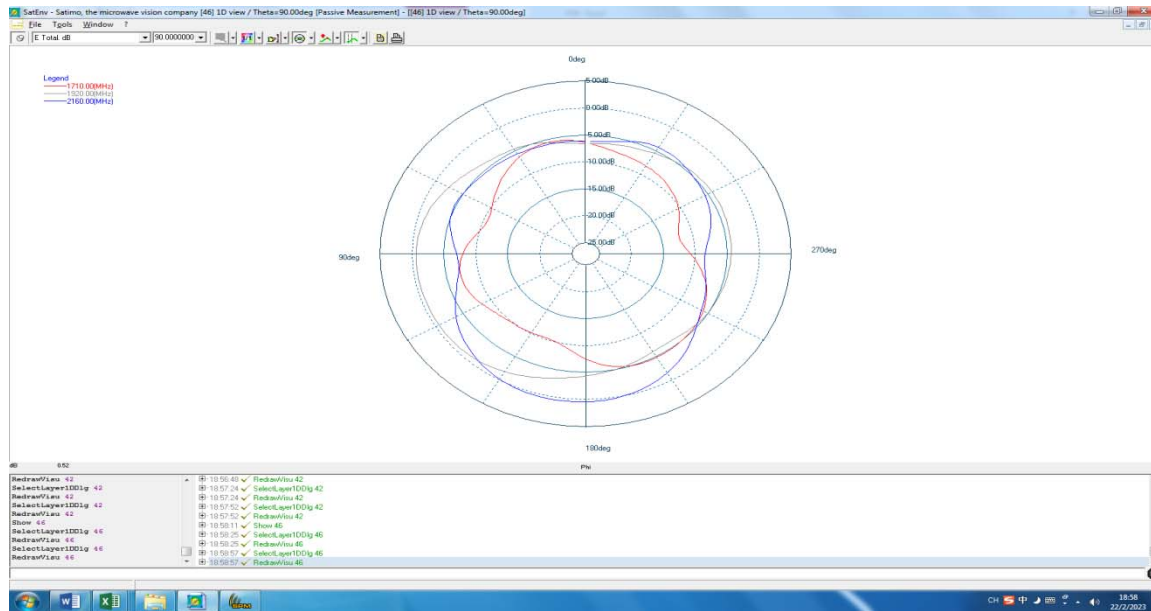
	Frequency Range:	NFC 13.56MHZ
	Connector Type/	/
	Maximum Gain	
	Antenna Type/ Pattern:	/
	Measurement:	46.77*35.20*0.14
	Antenna manufacturer:	Shenzhen ZTX Communication Technology Co., Ltd

low frequency

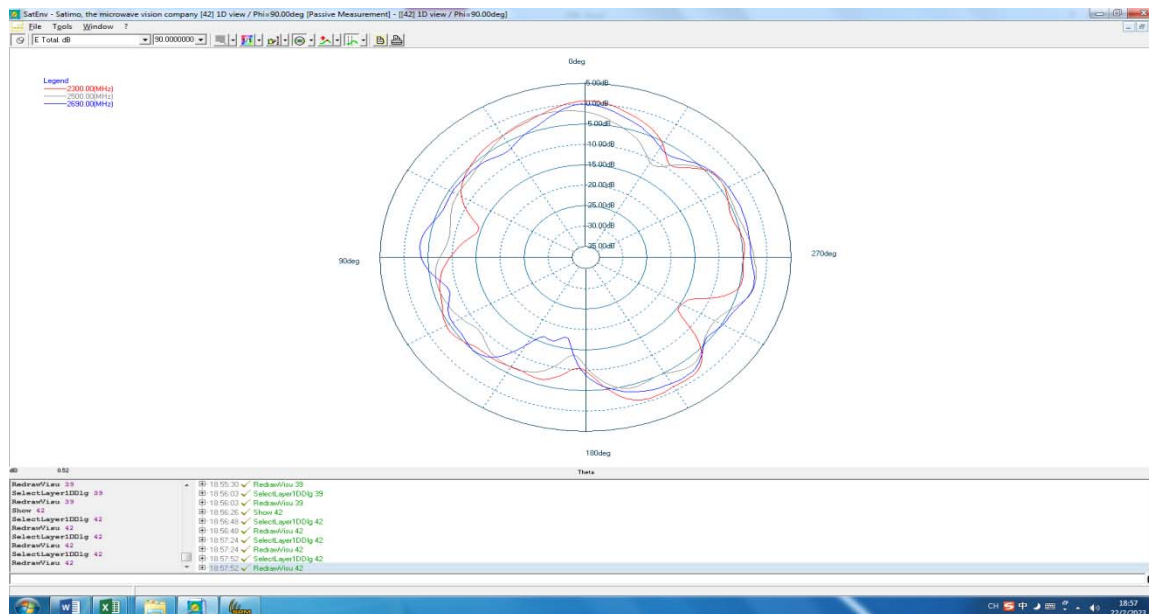
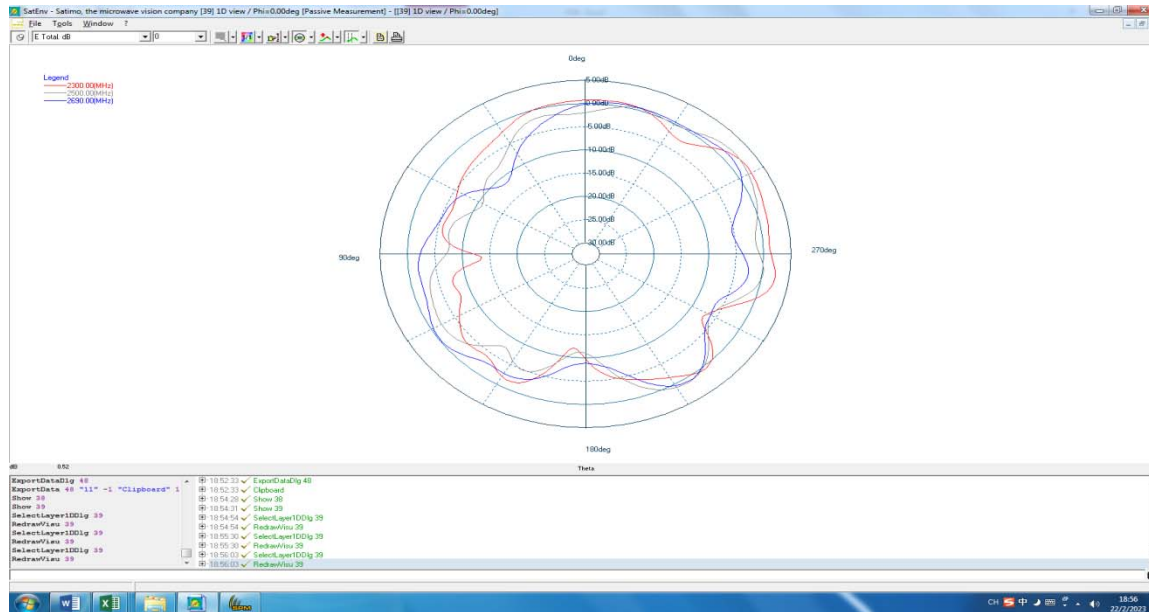


intermediate frequency





high frequency

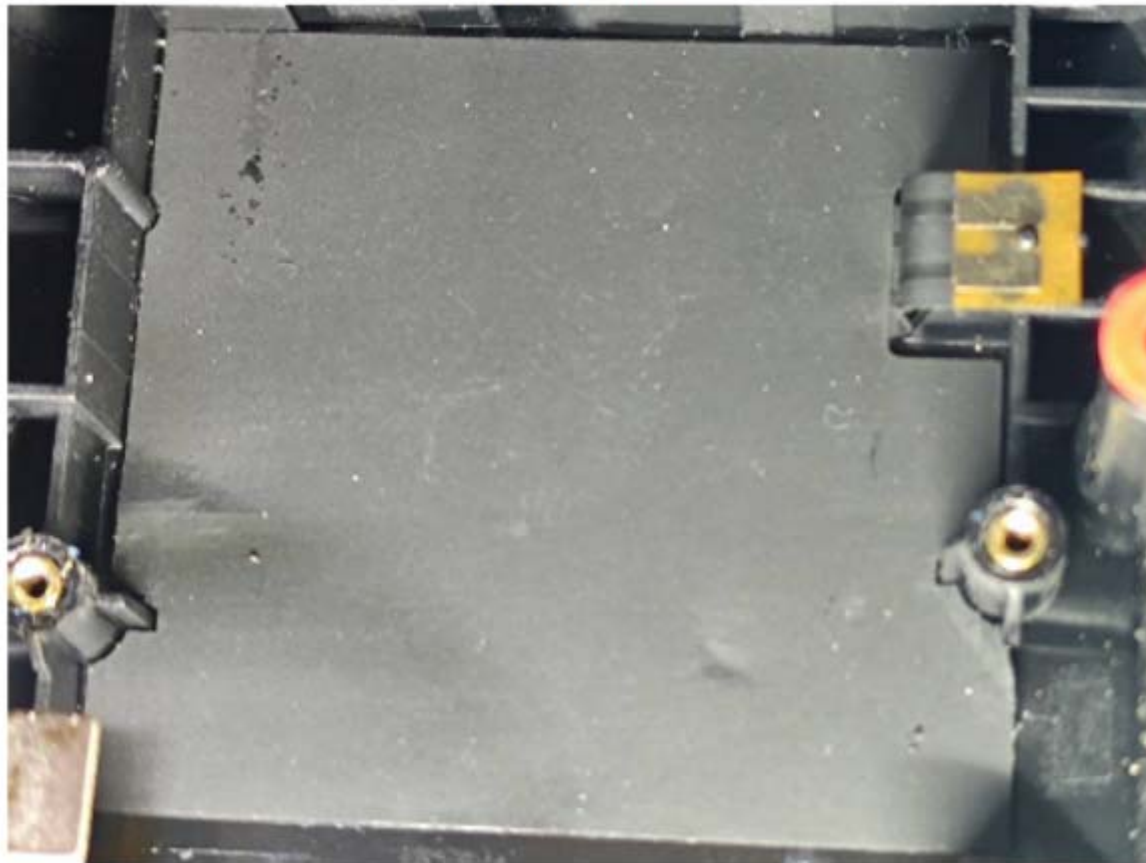




WWAN Main Antenna



NFC Antenna



Bluetooth/WIFI Antenna



WWAN DIV Antenna

