

Antenna Specification

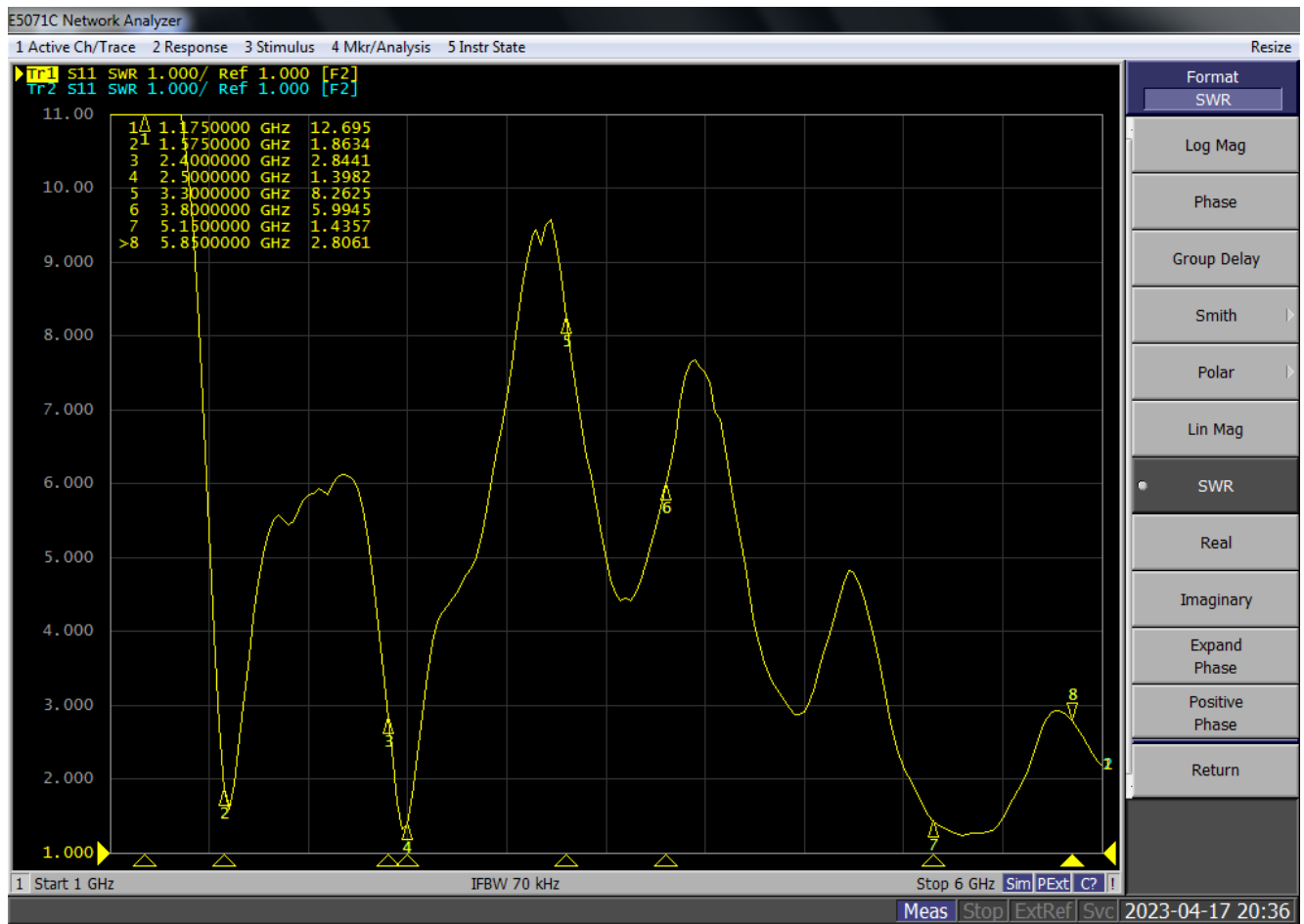
Brand	vivo	Model name	PD2283
data	2023/5/7	Software version	PD2283F_EX_A_13.0.6.14.W 30

1、Test

1.1 VSWR test

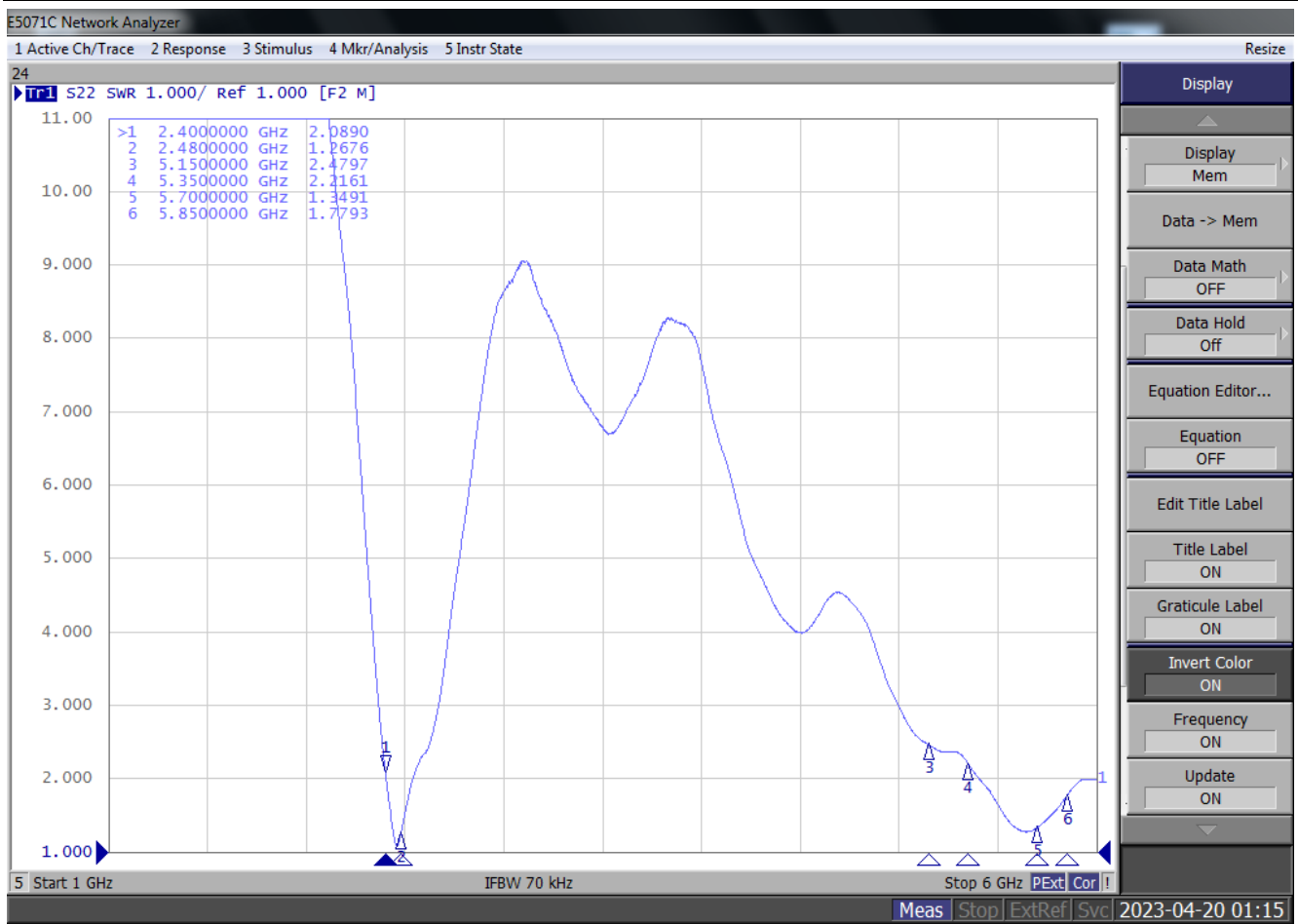
1.1.1 VSWR

ANT22# 2.4G/5G WiFi /GPS



Picture one: VSWR

ANT24# 2.4G/5G WiFi



Picture two: VSWR

1.2 BT/wifi/GPS antenna Gain test

BT/wifi/GPS antenna

- Model name (P/N) : MT229

-Antenna Type : IFA

-Antenna Manufacturer : Dongguan Chengmao Precision Technology Co. Ltd.

Manufacturer Address : 54 Shangxing Road, Shangjiao, Chang'an Town,

Dongguan , Guangdong, China

Gain value is measured by Huanghao and Lanjingshan

Gain Value is measured in active call & Antenna selection.

Antenna gain is measured in ETS Chamber.

Test Equipment list

Description	Manufacturer	Model	Cal Due
Passive test equipment	Keysight	E5071C	2023/5/7

1.2.1 test set up (ETS)

Please find “Ant test setup photos”

1.2.2 test result

Ant 22#	
Frequency (MHz)	Gain (dBi)
1550	-4.84
1560	-4.41
1570	-3.92
1580	-3.58
1590	-3.41
1600	-3.22
1610	-3.04
1620	-2.95

Ant 24#	
Frequency (MHz)	Gain (dBi)
2400	-4.91
2410	-5.12
2420	-5.20
2430	-5.56
2440	-6.12
2450	-6.43
2460	-6.24
2470	-6.17

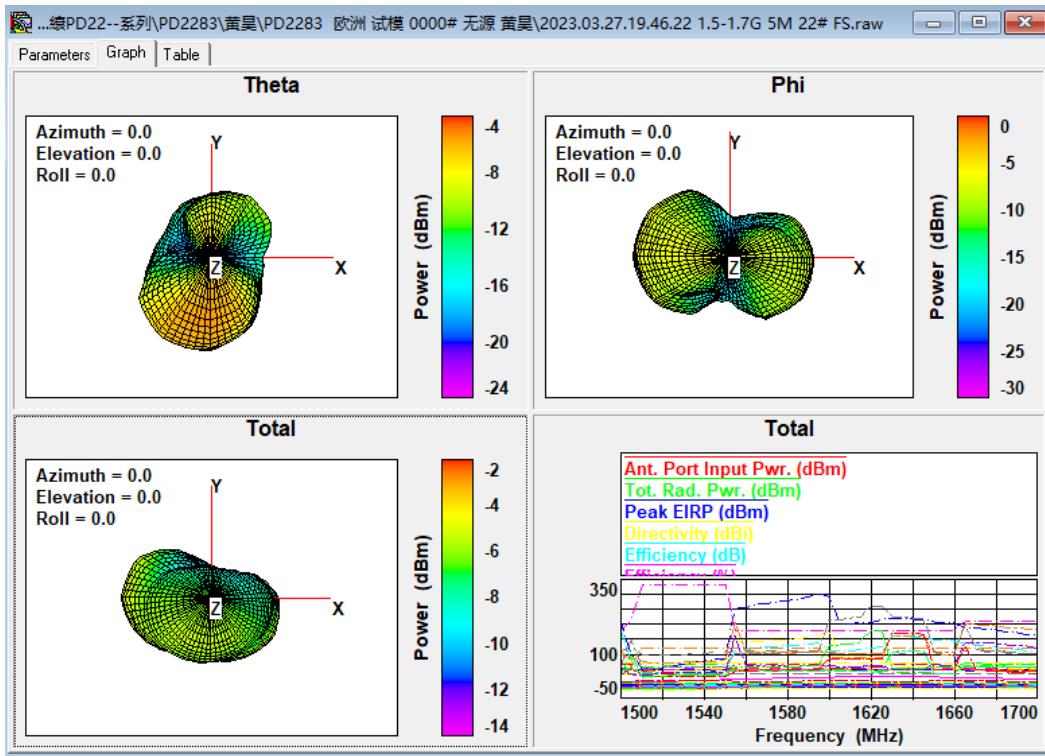
1630	-3.03		2480	-6.35
1640	-3.07		2490	-6.65
1650	-3.01		2500	-7.03
2400	-2.86		5150	-4.53
2410	-2.60		5160	-4.47
2420	-2.51		5170	-4.42
2430	-2.26		5180	-4.43
2440	-1.88		5190	-4.30
2450	-1.51		5200	-4.42
2460	-1.25		5210	-4.41
2470	-1.04		5220	-4.49
2480	-0.91		5230	-4.36
2490	-0.98		5240	-4.32
2500	-0.98		5250	-4.09
5150	-2.26		5260	-3.84
5160	-2.12		5270	-3.70
5170	-2.15		5280	-3.48
5180	-2.31		5290	-3.20
5190	-2.32		5300	-3.21
5200	-2.28		5310	-3.02
5210	-2.19		5320	-2.96
5220	-2.11		5330	-2.70
5230	-2.05		5340	-2.58
5240	-2.05		5350	-2.52
5250	-2.16		5360	-2.46
5260	-2.11		5370	-2.56
5270	-2.09		5380	-2.25
5280	-1.99		5390	-2.11
5290	-1.76		5400	-2.21
5300	-1.70		5410	-2.45
5310	-1.53		5420	-2.58
5320	-1.13		5430	-2.68
5330	-0.87		5440	-2.58
5340	-0.81		5450	-2.60
5350	-0.84		5460	-2.45
5360	-0.91		5470	-2.50
5370	-0.81		5480	-2.28
5380	-0.74		5490	-2.13
5390	-0.66		5500	-2.17
5400	-0.45		5510	-2.31
5410	-0.47		5520	-2.37
5420	-0.38		5530	-2.40
5430	-0.38		5540	-2.10
5440	-0.27		5550	-2.02
5450	-0.13		5560	-2.28

5460	-0.12		5570	-2.38
5470	-0.02		5580	-2.32
5480	-0.17		5590	-2.29
5490	-0.12		5600	-2.19
5500	0.03		5610	-1.93
5510	0.07		5620	-1.97
5520	0.13		5630	-1.93
5530	0.17		5640	-1.96
5540	0.12		5650	-2.01
5550	0.20		5660	-1.67
5560	0.04		5670	-1.65
5570	-0.08		5680	-1.60
5580	-0.14		5690	-1.57
5590	-0.09		5700	-1.46
5600	-0.13		5710	-1.35
5610	-0.02		5720	-1.21
5620	0.07		5730	-1.18
5630	0.06		5740	-0.97
5640	-0.04		5750	-0.85
5650	0.06		5760	-0.91
5660	0.11		5770	-0.99
5670	0.02		5780	-1.04
5680	0.02		5790	-1.04
5690	-0.04		5800	-1.18
5700	0.06		5810	-0.99
5710	0.08		5820	-0.93
5720	0.17		5830	-0.99
5730	0.30		5840	-1.11
5740	0.38		5850	-1.25
5750	0.34		/	/
5760	0.19		/	/
5770	0.10		/	/
5780	0.06		/	/
5790	-0.08		/	/
5800	0.05		/	/
5810	0.15		/	/
5820	0.29		/	/
5830	0.23		/	/
5840	0.41		/	/
5850	0.28		/	/

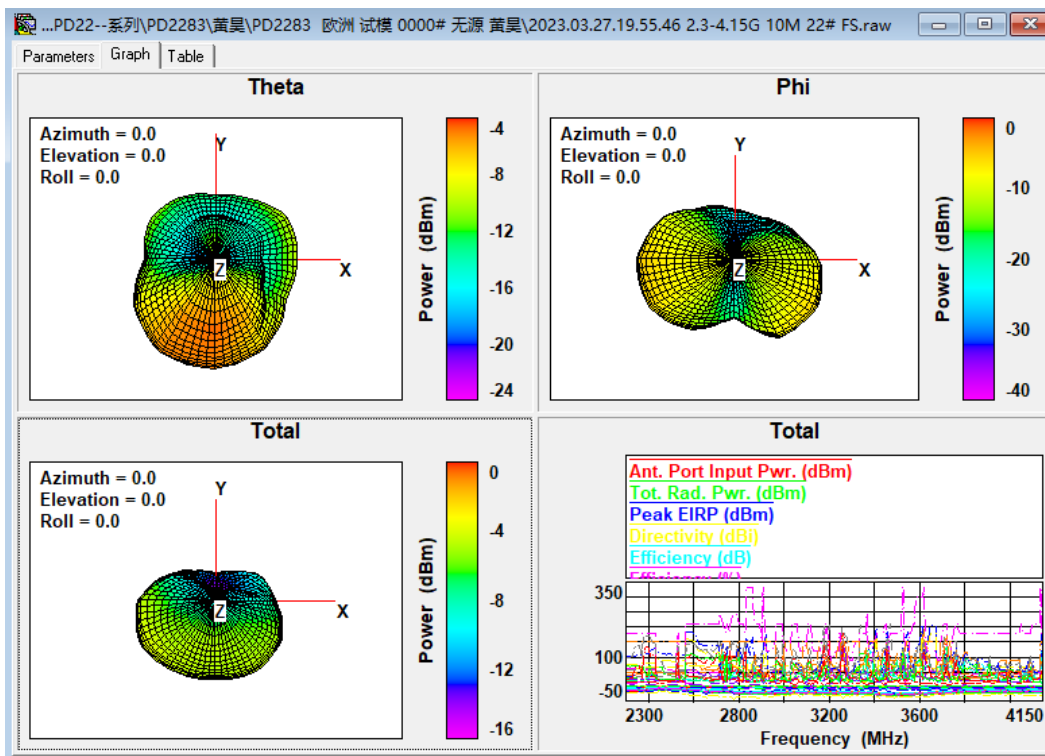
1.2.3 antenna radiation pattern

ANT22#

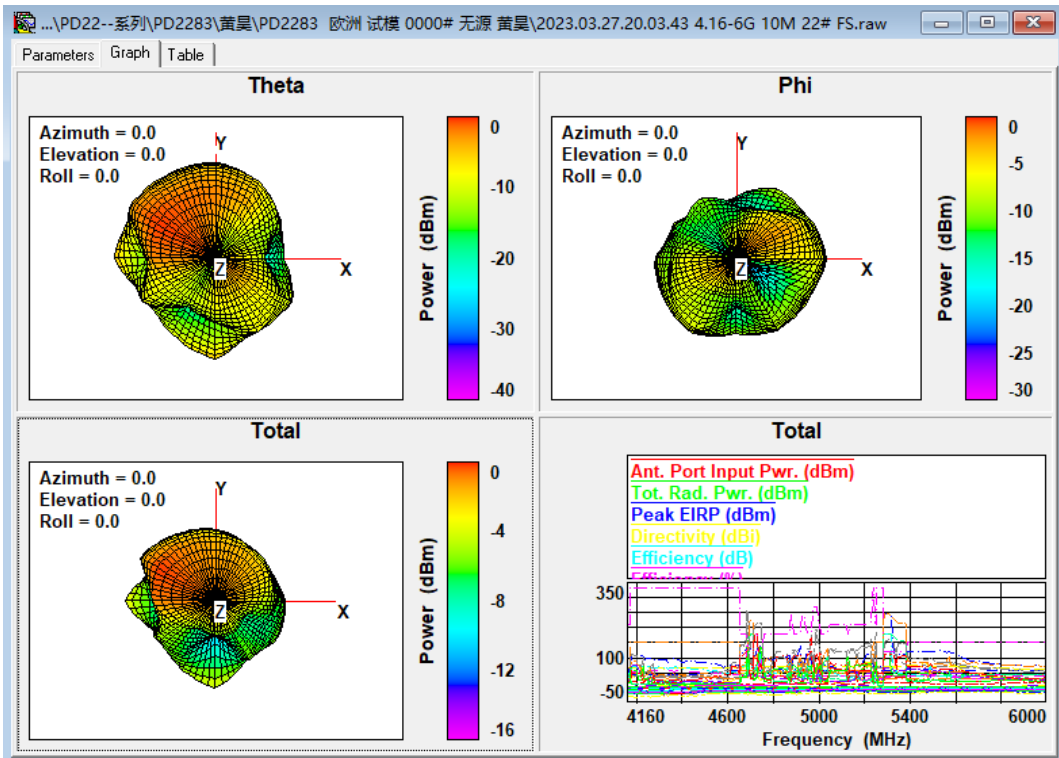
GPS 1575MHz:



WiFi2.4G 2450MHz:

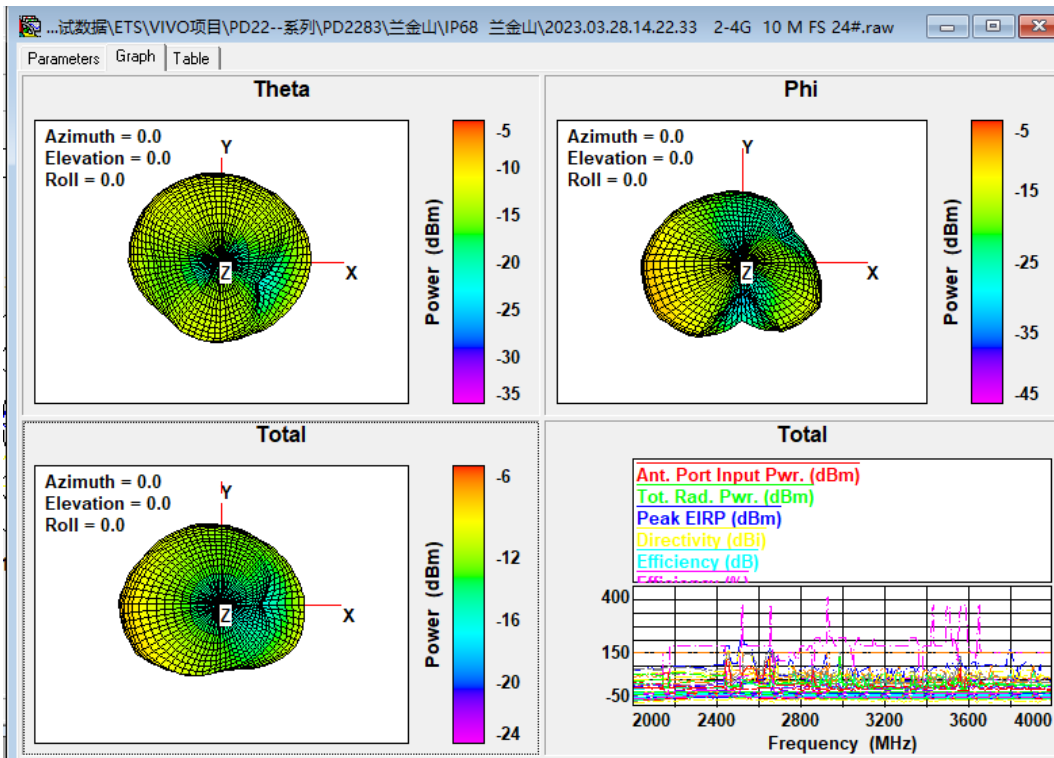


WiFi5.8G 5790MHz:

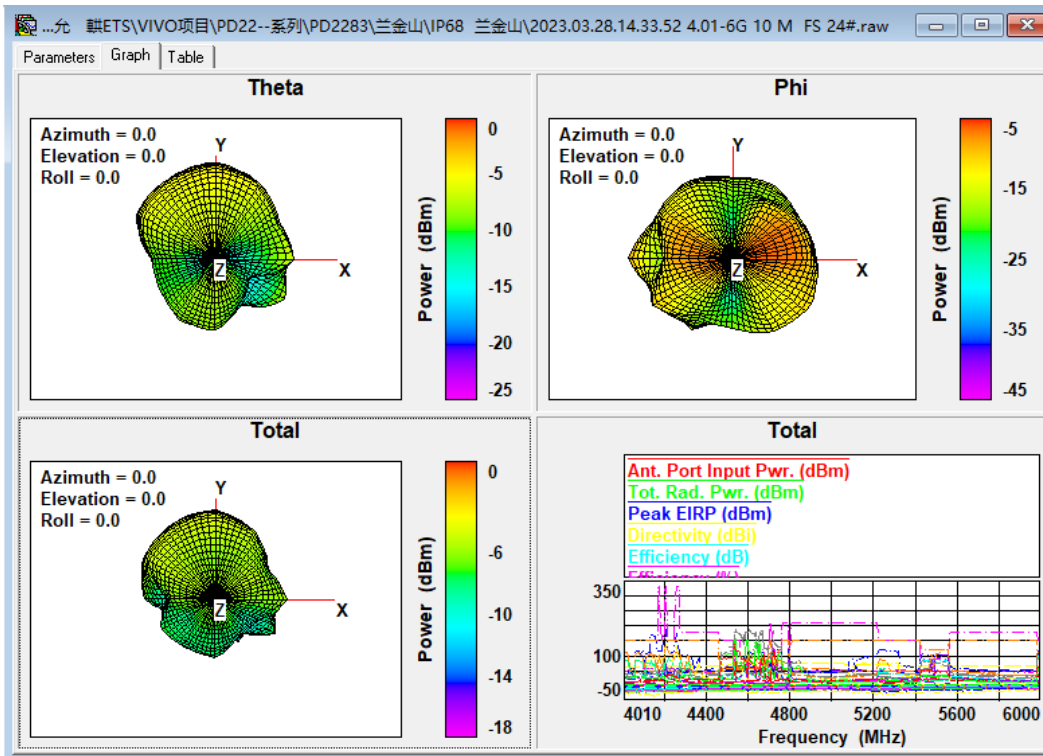


ANT24#

WIFI2.4G 2450MHz:



WIFI5.8G 5790MHz:



2、NFC antenna



2.1 Antenna Type: Loop antenna

2.2 Antenna Dimension(mm): 39.1*22.45*0.22 (L*W*H)

2.3 Manufacturer: KunShan INNOWAVE Communication Technology Co.,Ltd.

2.4 Manufacturer P/N: B862