

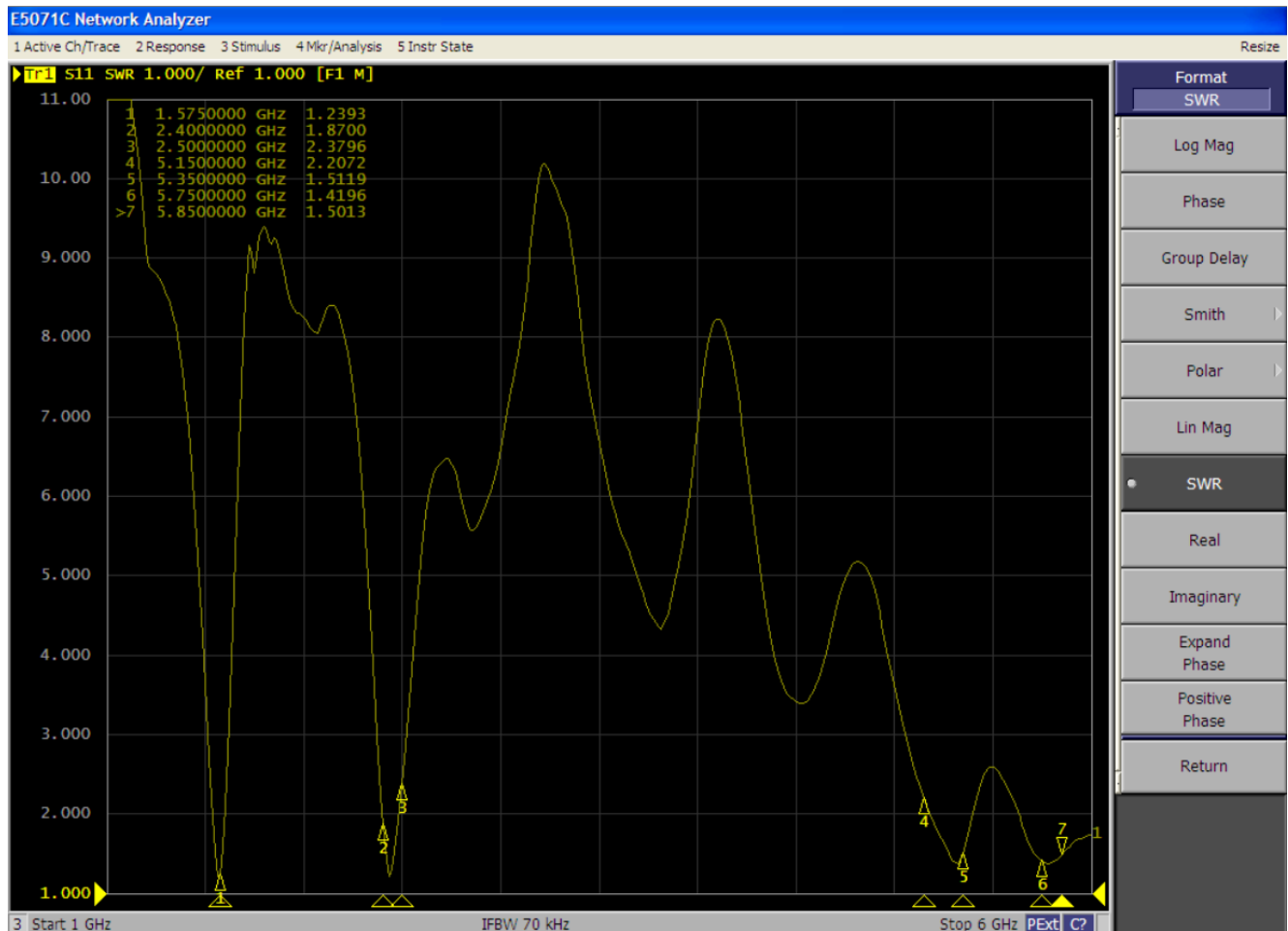
Antenna Specification

Brand	vivo	Model name	V2418
data	2024/7/12	Software version	PD2418F_EX_A_14.0.3.8.W3 0.V000L1

1、Test

1.1 VSWR test

1.1.1 VSWR



Picture one: VSWR

1.2 BT/wifi/GPS antenna Gain test

BT/wifi/GPS antenna

- Model name (P/N) : 0760750

-Antenna Type : IFA

-Antenna Manufacturer : WebCom Communication (Kunshan) Corporation

Manufacturer Address : No. 6, 88 Central Avenue, Comprehensive Free Trade Zone, Kunshan City, Jiangsu Province, P.R.C.

Gain value is measured by Huang Yongming

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	2023/7/15-2024/7/15

1.2.1 test set up (ETS)

Refer to Ant test setup photos

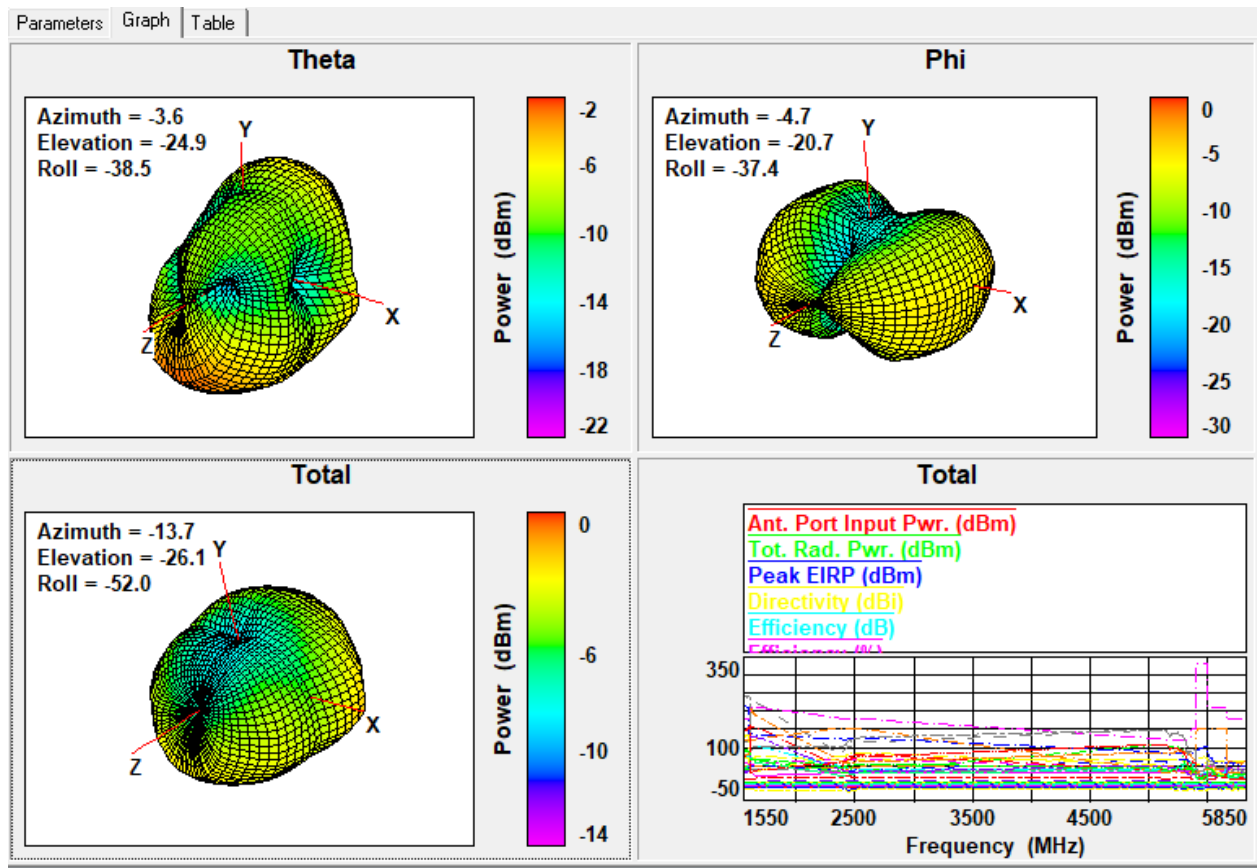
1.2.2 test result

Frequency (MHz)	Gain (dBi)
1550	-3.87
1555	-3.87
1560	-3.84
1565	-3.80
1570	-3.82
1575	-3.88
1580	-3.99
1585	-4.06
1590	-4.24
1595	-4.43
1600	-4.64
1605	-4.84
1610	-5.08
1615	-5.28
1620	-5.47
1625	-5.76
1630	-6.00
1635	-6.17
1640	-6.51
1645	-6.94
1650	-7.24
2400	-0.92
2410	-0.6
2420	-0.25
2430	-0.04
2440	-0.02
2450	0.04

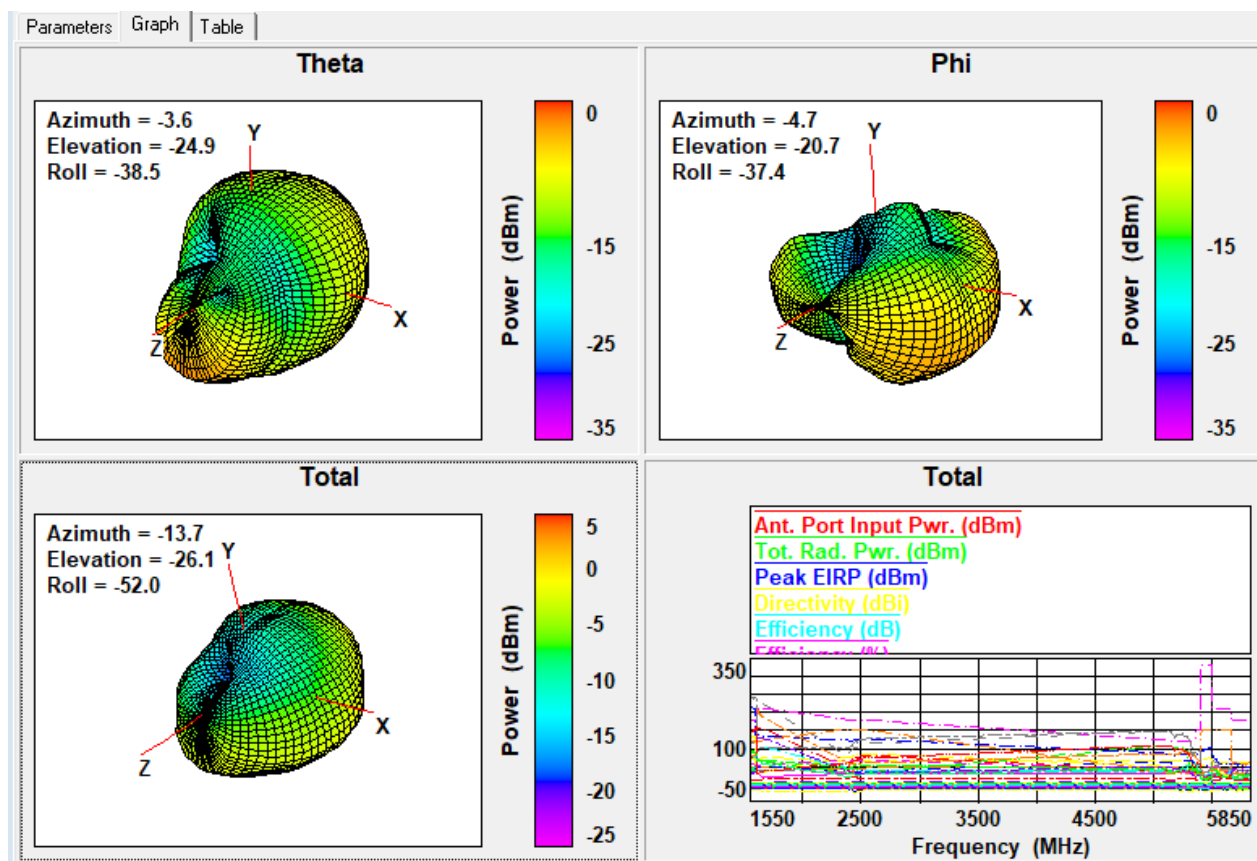
2460	0.14
2470	0.48
2480	0.45
2490	0.37
2500	-0.03
5150	0.01
5170	0.42
5190	0.65
5210	0.60
5230	0.73
5250	0.47
5270	0.65
5290	0.20
5310	0.26
5330	0.18
5350	0.05
5370	0.07
5390	0.11
5410	0.04
5430	-0.55
5450	-0.38
5470	-0.27
5490	-0.21
5510	-0.06
5530	0.22
5550	0.58
5570	0.41
5590	0.86
5610	0.93
5630	1.23
5650	1.65
5670	1.66
5690	1.81
5710	1.66
5730	1.61
5750	1.69
5770	1.44
5790	0.97
5810	1.13
5820	1.19
5830	1.02
5840	1.50
5850	1.44

1.2.3 antenna radiation pattern

GPS 1575MHz:



WIFI2.4G 2450MHz:

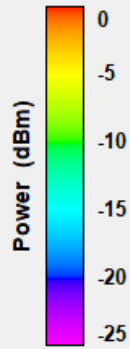
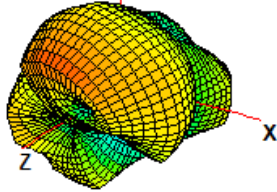


WIFI5.8G 5790MHz:

Parameters | Graph | Table

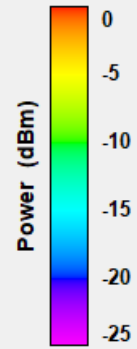
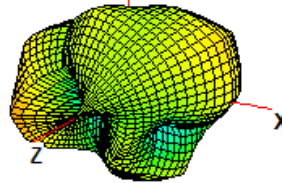
Theta

Azimuth = -3.6
Elevation = -24.9
Roll = -38.5



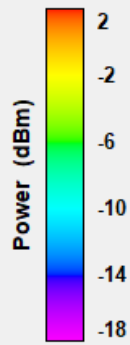
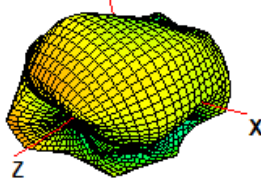
Phi

Azimuth = -4.7
Elevation = -20.7
Roll = -37.4



Total

Azimuth = -13.7
Elevation = -26.1
Roll = -52.0



Total

Ant. Port Input Pwr. (dBm)
Tot. Rad. Pwr. (dBm)
Peak EIRP (dBm)
Directivity (dBi)
Efficiency (dB)
FARE (dBm)

