

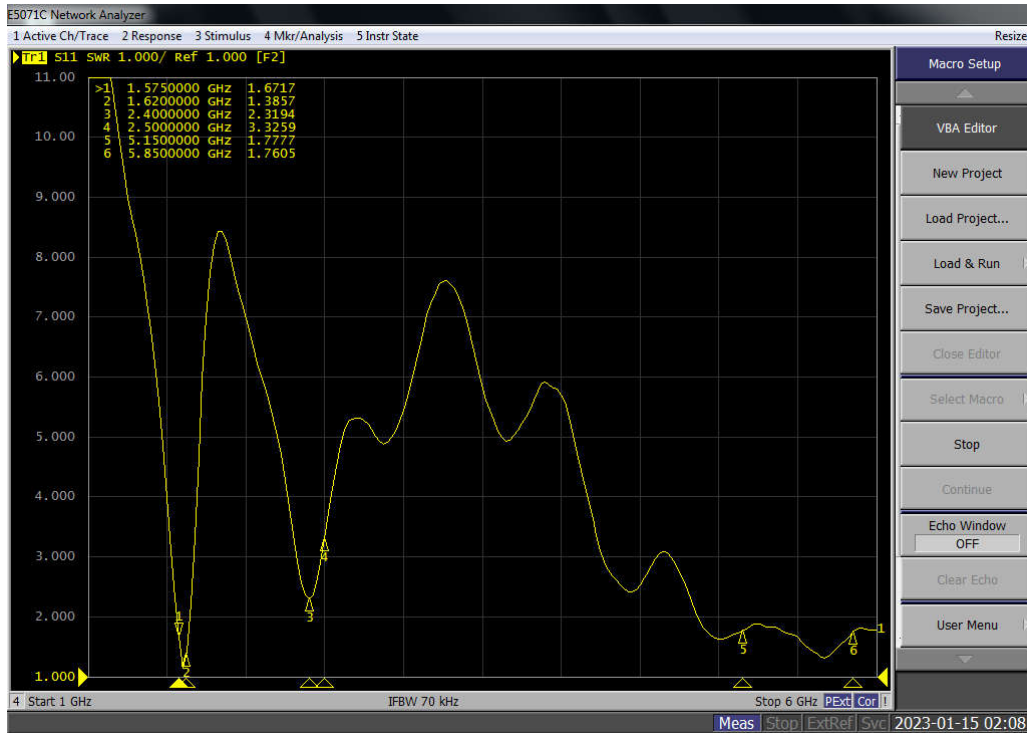
Antenna Specification

Brand	vivo	Model name	ET3091B
data	2023/1/15	Software version	PD2268F_EX_A_13.0.4.5.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

-Antenna Type : PIFA

-Antenna Manufacturer : Dongguan Boyongkai Electronic Technology Co., Ltd

-Manufacturer Address :Fenghuang East Road, Shajiao Community, Humen Town,
Dongguan City

Gain value is measured by Zhou leitao

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	2023/5/6

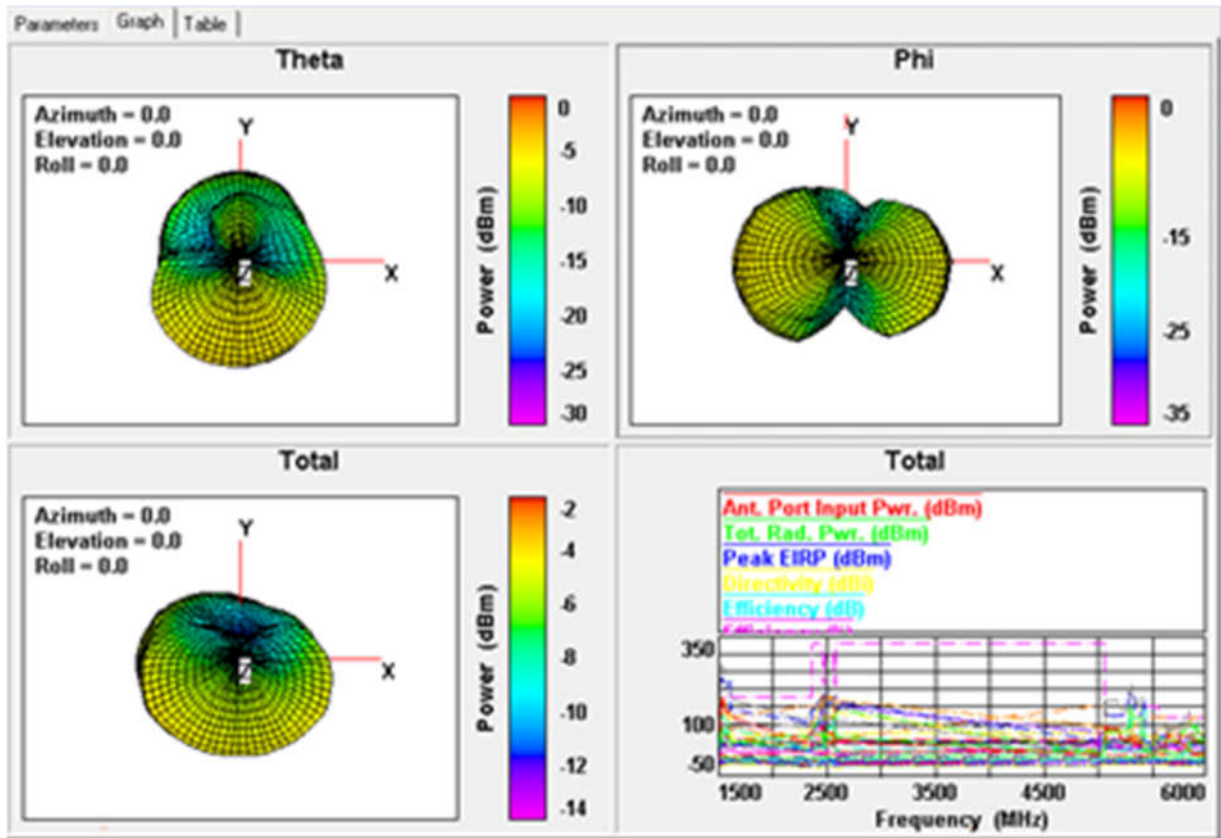
1.2.1 test result

Frequency (MHz)	Gain (dBi)
1550	-3.1
1555	-2.9
1560	-2.8
1565	-2.6
1570	-2.6
1575	-2.5
1580	-2.5
1585	-2.4
1590	-2.4
1595	-2.3
1600	-2.3
1605	-2.3
1610	-2.4
1615	-2.4
1620	-2.4
1625	-2.5
1630	-2.5
1635	-2.6
1640	-2.8
1645	-2.9
1650	-3.0
2400	-2.1
2410	-2.2
2420	-2.3
2430	-2.3
2440	-2.3
2450	-2.4
2460	-2.5
2470	-2.6
2480	-2.7
2490	-2.7
2500	-2.9
5150	-1.0
5170	-0.8
5190	-0.9
5210	-0.9

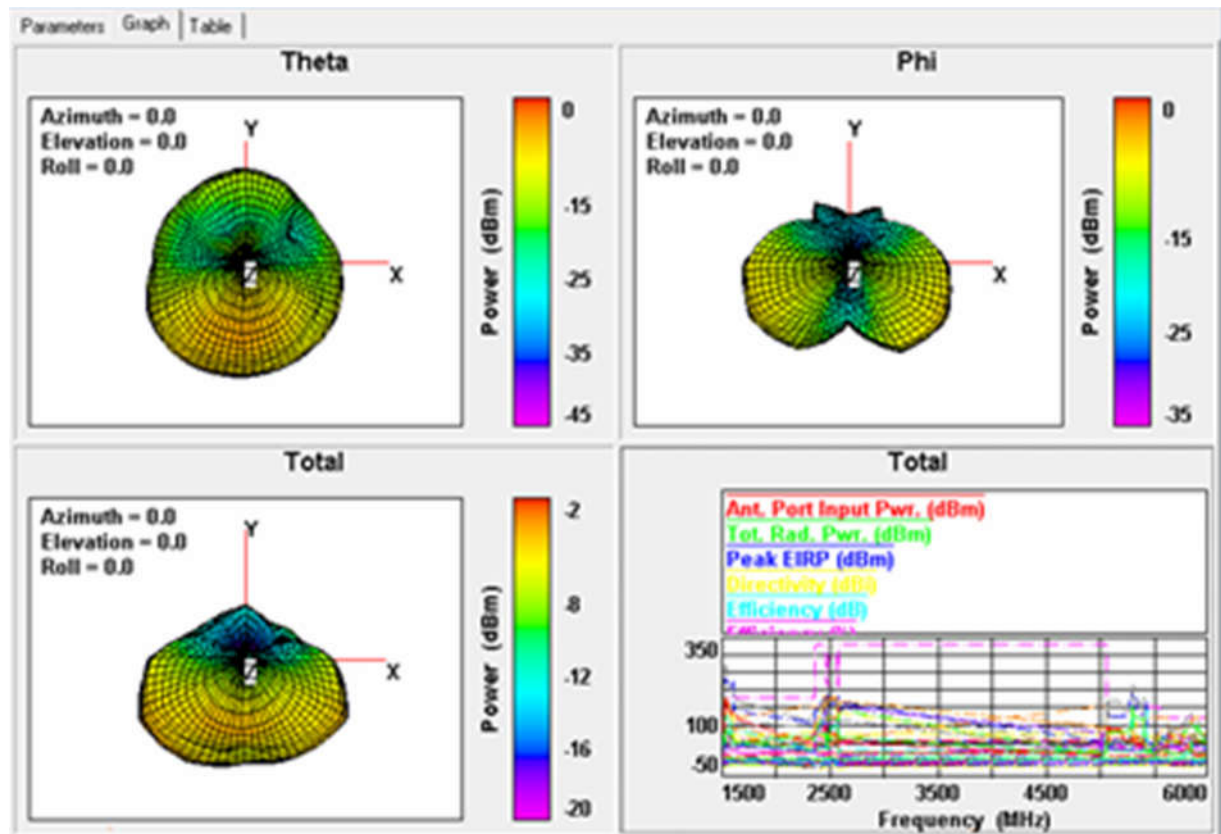
5230	-0.7
5250	-0.8
5270	-0.9
5290	-1.2
5310	-1.3
5330	-1.3
5350	-1.5
5370	-1.5
5390	-1.6
5410	-1.8
5430	-1.6
5450	-1.2
5470	-0.9
5490	-0.5
5510	-0.3
5530	-0.3
5550	-0.3
5570	-0.2
5590	0.0
5610	0.4
5630	0.4
5650	0.7
5670	0.7
5690	0.9
5710	-0.8
5730	-0.9
5750	-0.9
5770	-0.4
5790	0.0
5810	-0.1
5830	-0.3
5850	-0.4

1.2.2 antenna radiation pattern

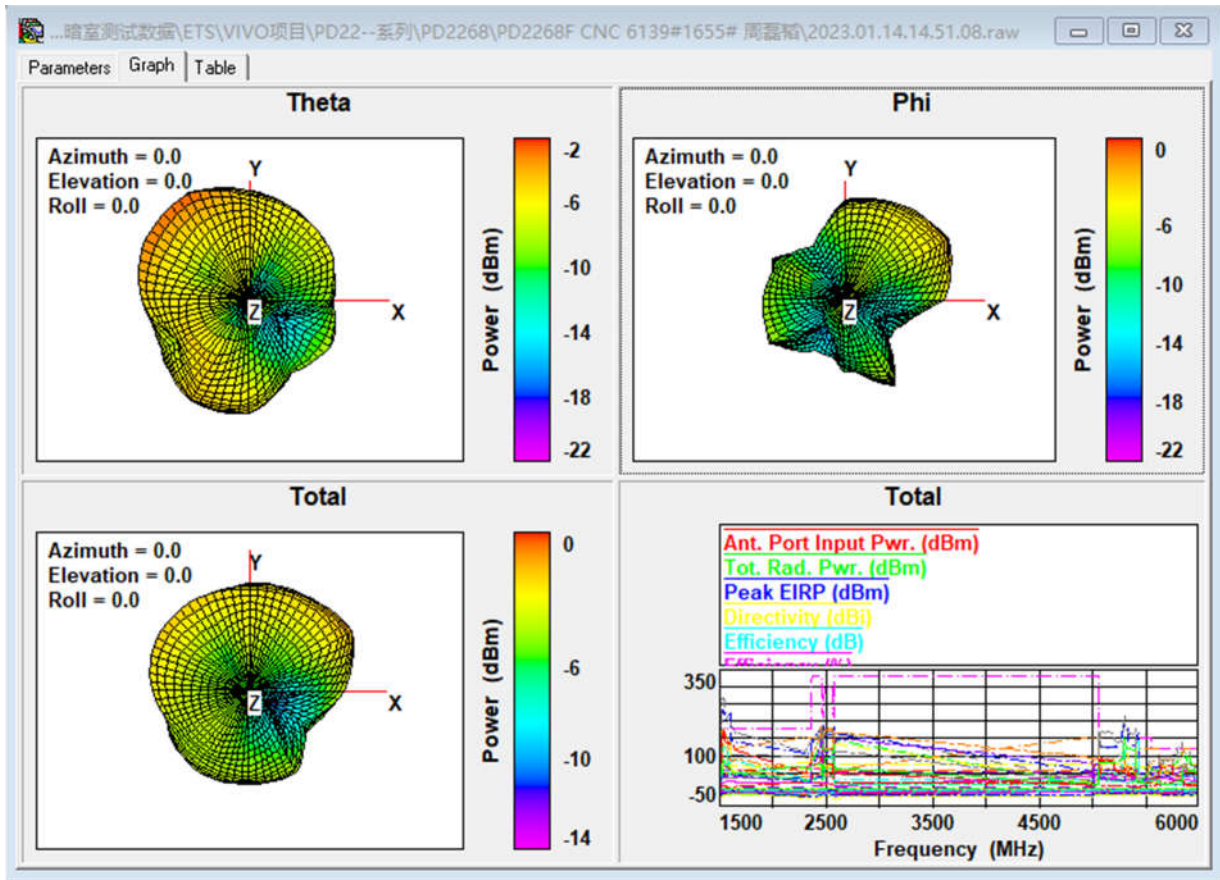
GPS 1575MHz:



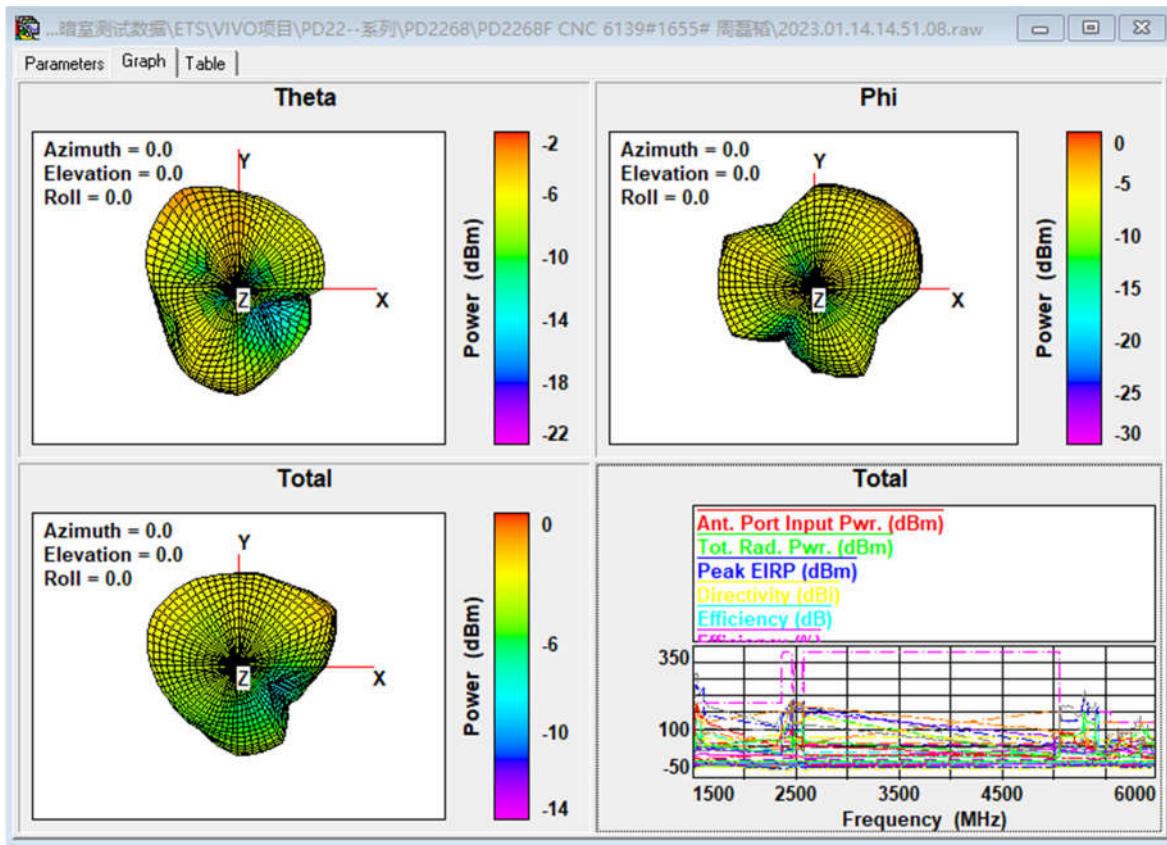
WIFI2.4G 2450MHZ:



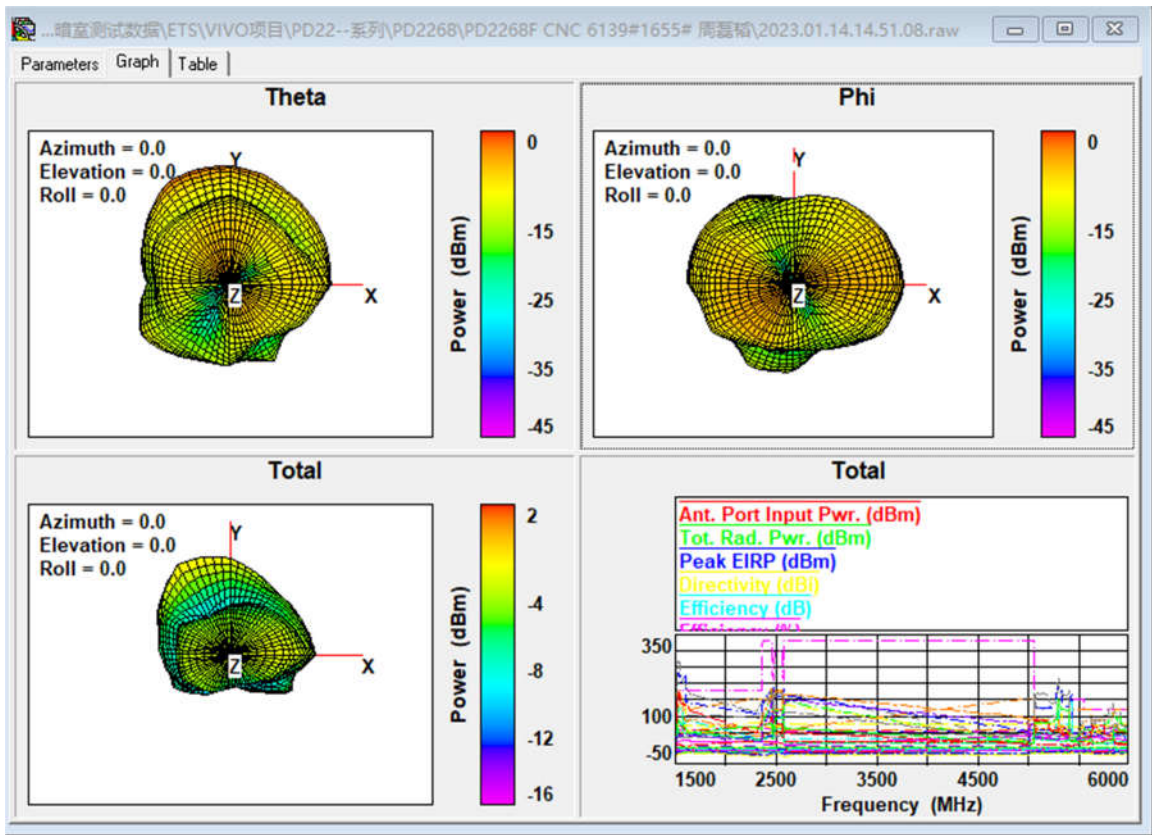
WIFI 5G B1 5190MHz:



WIFI 5G B2 5290MHz:



WIFI5G B3 5590MHz:



WIFI5G B4 5790MHz:

