

Antenna Specification

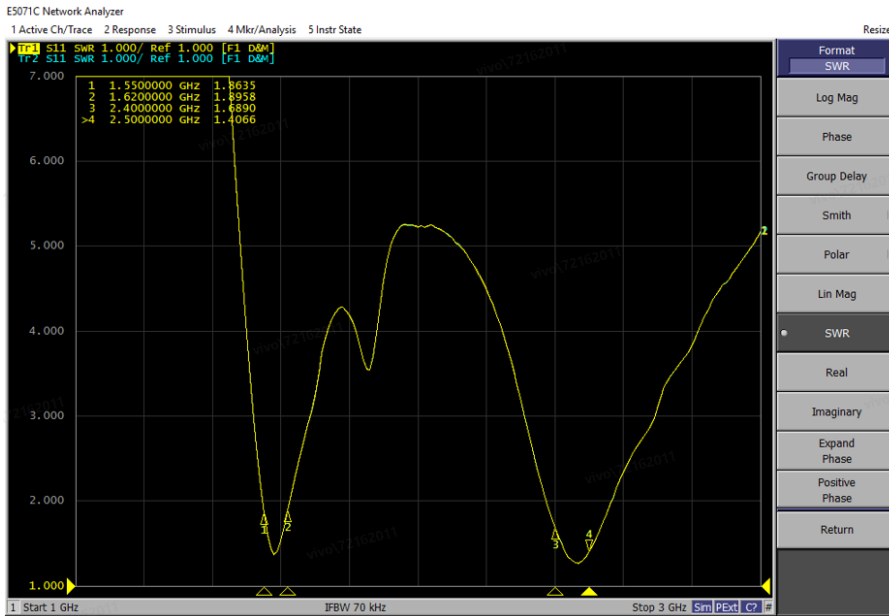
Brand	vivo	Model name	V2314
data	2023/8/02	Software version	PD2325F_EX_A_13.0.6.4.W3 .V000L1

1、Test

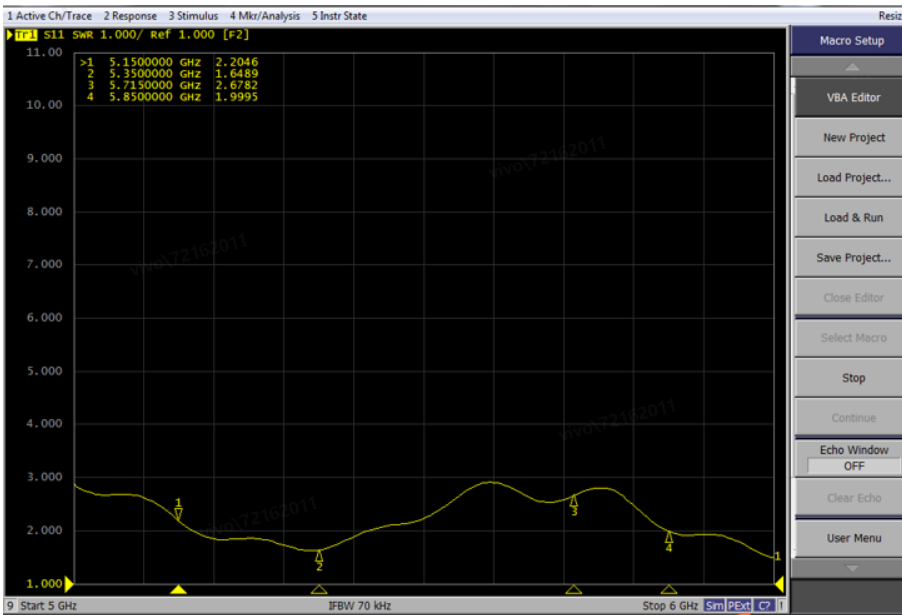
1.1 VSWR test

1.1.1 VSWR

ANT22# GPS/2.4G



ANT23# WiFi5G



Picture one: VSWR

1.2 BT/ WiFi /GPS antenna Gain test

BT/wifi/GPS antenna

- Model name (P/N) : MT245

-Antenna Type :(BT/WiFi 2.4G/ GPS) IFA (WiFi 5G) Dipole

-Antenna Manufacturer : Gongguan Zhouhuang Plastic And Hardware Co., Ltd.

Manufacturer Address : Zhen'an Science Park, Chang'an Town, Dongguan City,
Guangdong Province, China

Gain value is measured by Zhang Pengfei

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	2023/3/10-2024/3/09

1.2.1 test set up (ETS)

Please find “Ant test setup photos”

1.2.2 test result

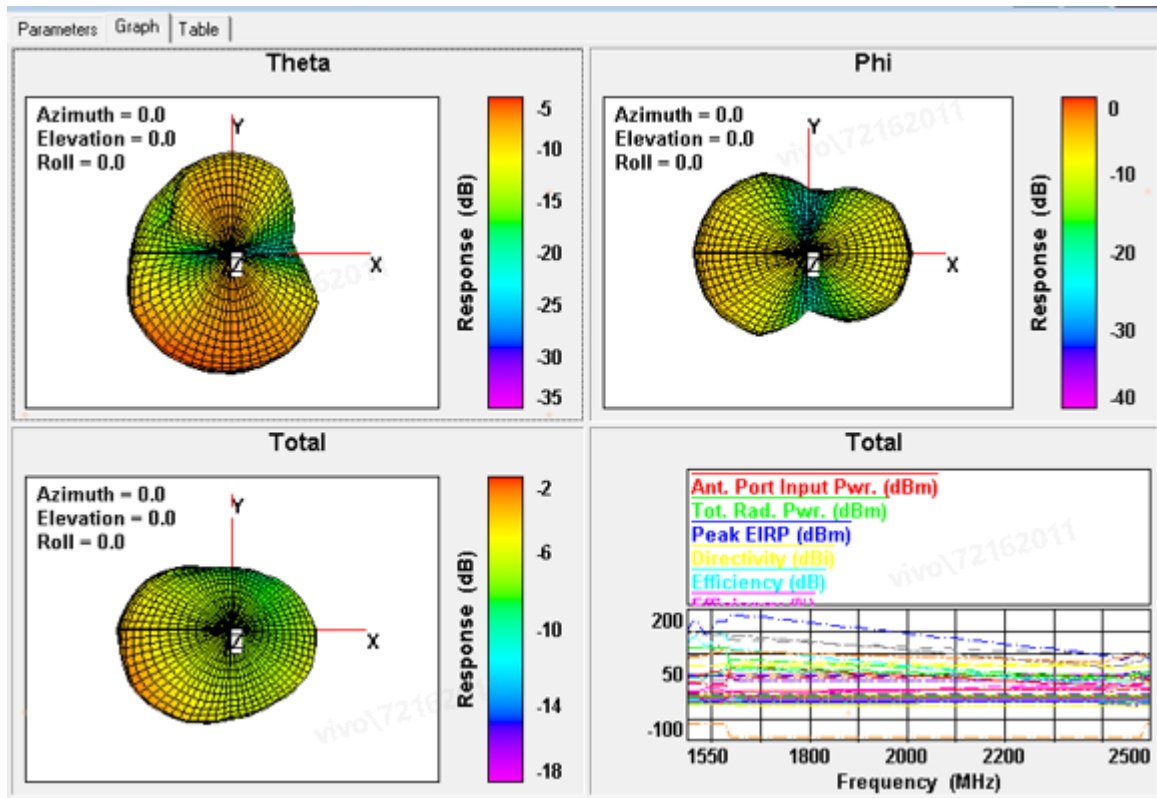
Frequency (MHz)	Gain (dBi)
1550	-4.44
1555	-4.32
1560	-4.26
1565	-4.11
1570	-3.94
1575	-3.75
1580	-3.52
1585	-3.1
1590	-2.99
1595	-2.72
1600	-2.66

1605	-2.98
1610	-3.01
1615	-3.54
1620	-3.77
1625	-4.28
1630	-4.78
1635	-4.99
1640	-5.32
1645	-5.58
1650	-5.34
2400	-1.95
2410	-2.15
2420	-1.84
2430	-1.5
2440	-1.29
2450	-1.44
2460	-1.78
2470	-2.21
2480	-2.38
2490	-2.31
2500	-2.24
5150	1.96
5170	2.16
5190	2.06
5210	1.94
5230	1.92
5250	2.03
5270	2.06
5290	2.07
5310	2.12
5330	2.31
5350	2.23
5370	2.11
5390	1.71
5410	1.64
5430	1.63
5450	1.39
5470	1.3
5490	1.18
5510	1
5530	0.89
5550	0.62
5570	0.57
5590	0.54
5610	0.47

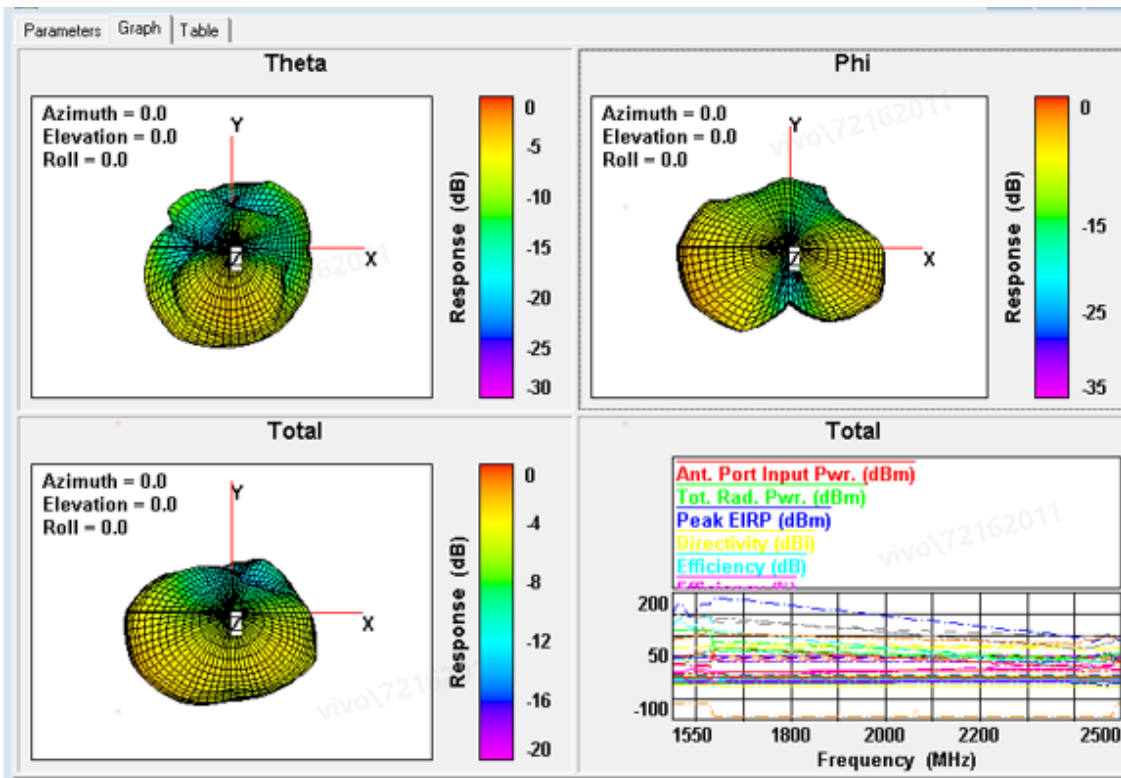
5630	0.44
5650	0.18
5670	0.26
5690	-0.85
5710	-0.97
5730	-0.98
5750	-0.82
5770	-0.81
5790	-0.56
5810	-0.51
5830	-0.19
5850	-0.53

1.2.3 antenna radiation pattern

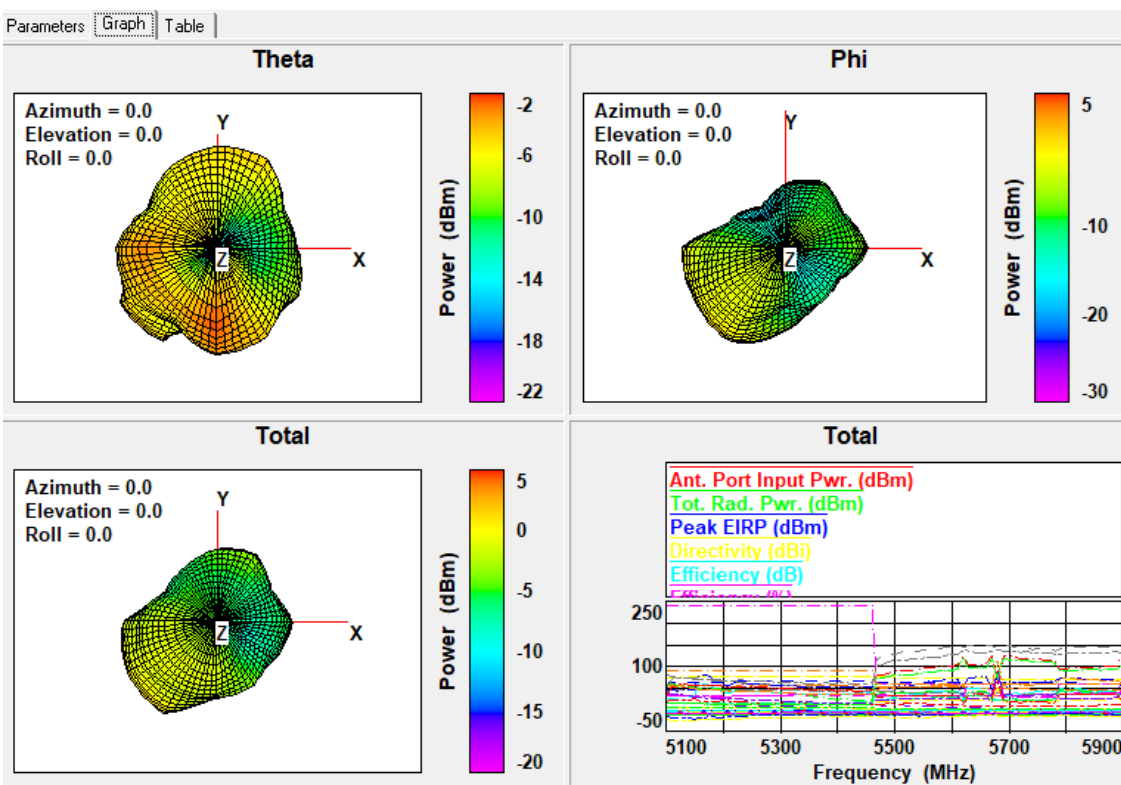
GPS 1600MHz:



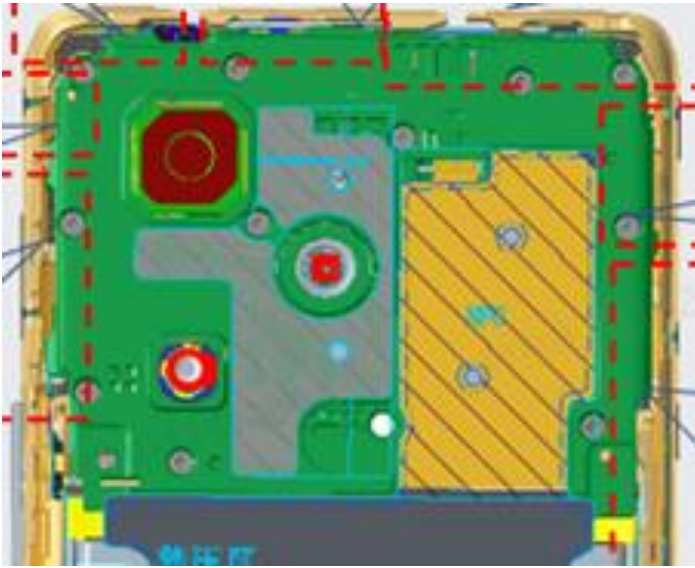
WiFi2.4G 2440MHz:



WiFi5.8G 5330MHz:



2、NFC antenna



2.1 Antenna Type: Loop antenna

2.2 Antenna Dimension(mm): 37.22*22.00*0.25(L*W*H)

2.3 Manufacturer: Shenzhen speed wireless technology Co., Ltd.

2.4 Manufacturer P/N: MT245