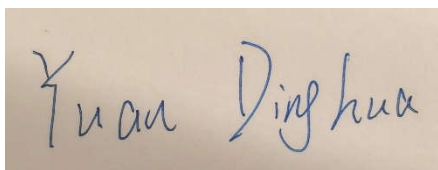


Antenna Specification

Brand	vivo	Model name	V2549
data	2025/7/7	Software version	PD2513F_EX_A_13.0.9.32.W 30.V000L1

Signature:

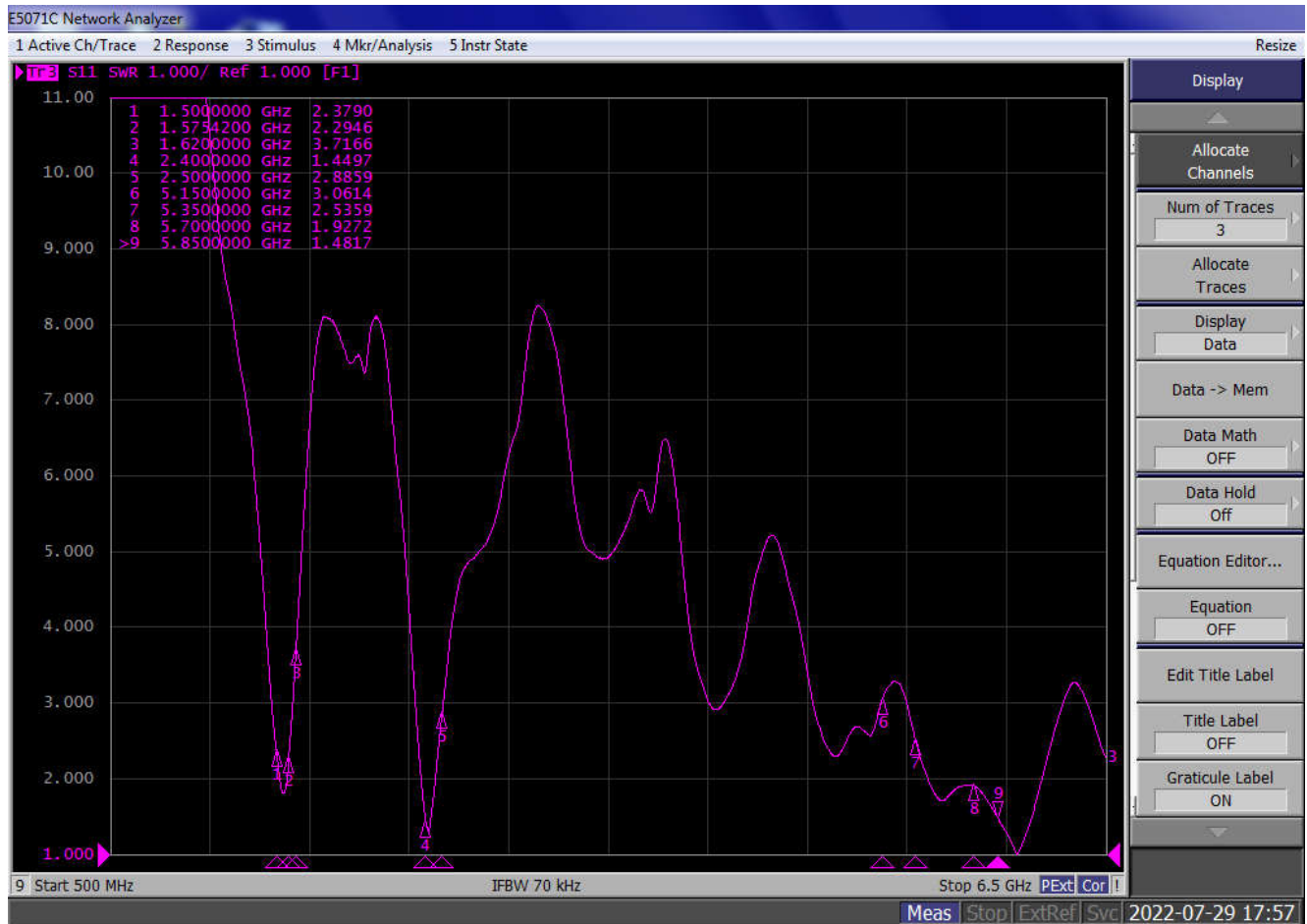
A photograph of a piece of light-colored paper with a handwritten signature in blue ink. The signature is written in a cursive style and reads "Yuan Dinghua".

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) : ET3091B

-Antenna Type : PIFA

-Antenna Manufacturer : Webcomic communication (Kun Shan) corp .

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

Gain value is measured by Wang Youxian

Gain Value is measured in active call & Antenna selection.

Antenna gain is measured in ETS Chamber.

Test Equipment list

Description	Manufacturer	Model	Verification time	Cal Due
Passive test equipment	Keysight	E5071C	2025/5/6	2026/5/6

1.2.1 test result

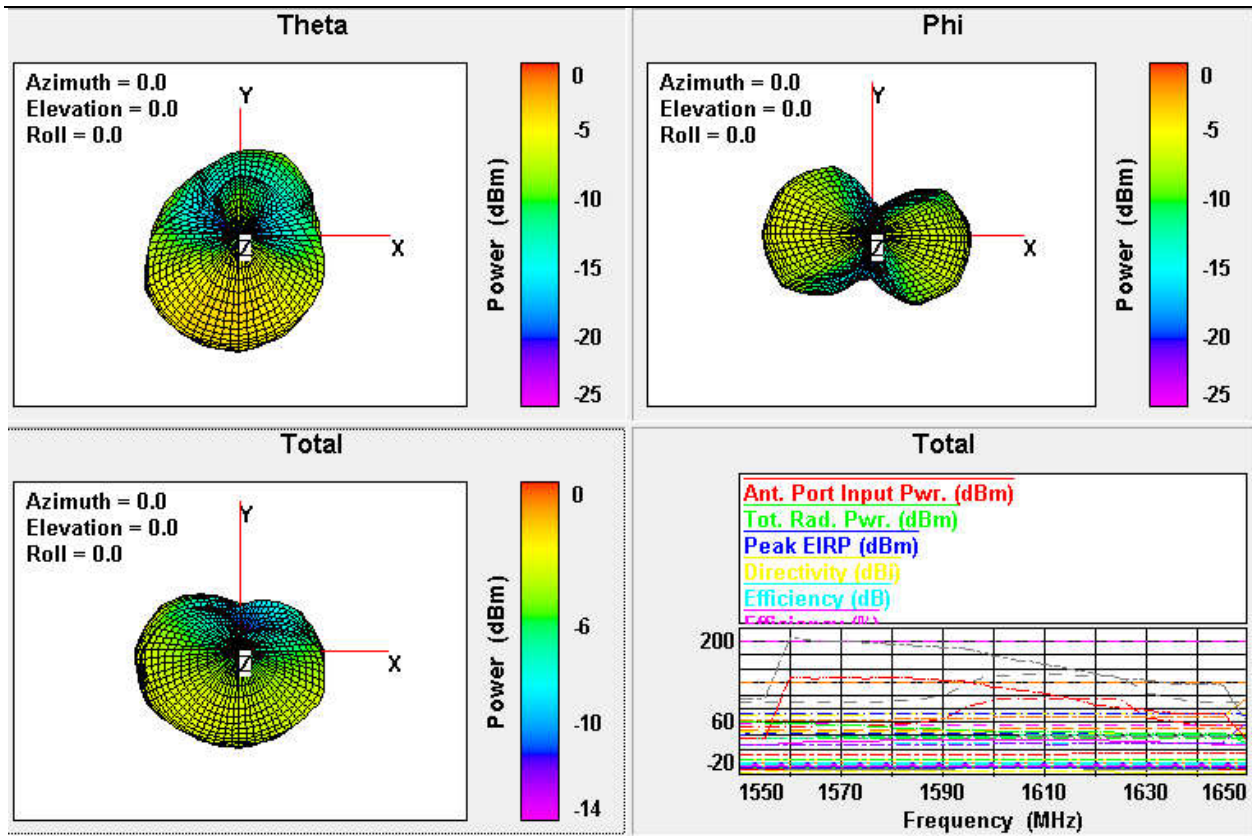
Frequency (MHz)	Gain (dBi)
1500	-3.02
1505	-3.05
1510	-2.94
1515	-2.74
1520	-2.69
1525	-2.63
1530	-2.44
1535	-2.16
1540	-1.96
1545	-1.77
1550	-1.61
1555	-1.53
1560	-1.43
1565	-1.25
1570	-1.24
1575	-1.20
1580	-1.21
1585	-1.19
1590	-1.19
1595	-1.18
1600	-1.12
2400	-0.76
2410	-0.36
2420	-0.06
2430	0.06
2440	0.02
2450	0.07
2460	0.10
2470	0.19
2480	0.01

2490	-0.41
2500	-0.79
5100	0.07
5110	-0.33
5120	-0.48
5130	-0.81
5140	-0.76
5150	-0.82
5160	-0.66
5170	-0.32
5180	-0.46
5190	-0.30
5200	-0.30
5210	-0.28
5220	-0.11
5230	-0.06
5240	-0.15
5250	-0.45
5260	-0.42
5270	-0.27
5280	-0.29
5290	-0.29
5300	-0.30
5310	-0.28
5320	-0.34
5330	-0.42
5340	-0.48
5350	-0.62
5360	-0.55
5370	-0.70
5380	-0.76
5390	-0.94
5400	-1.11
5410	-1.22
5420	-1.34
5430	-1.55
5440	-1.75
5450	-1.78
5460	-1.59
5470	-1.57
5480	-1.50
5490	-1.47
5500	-1.42
5510	-1.34
5520	-1.36

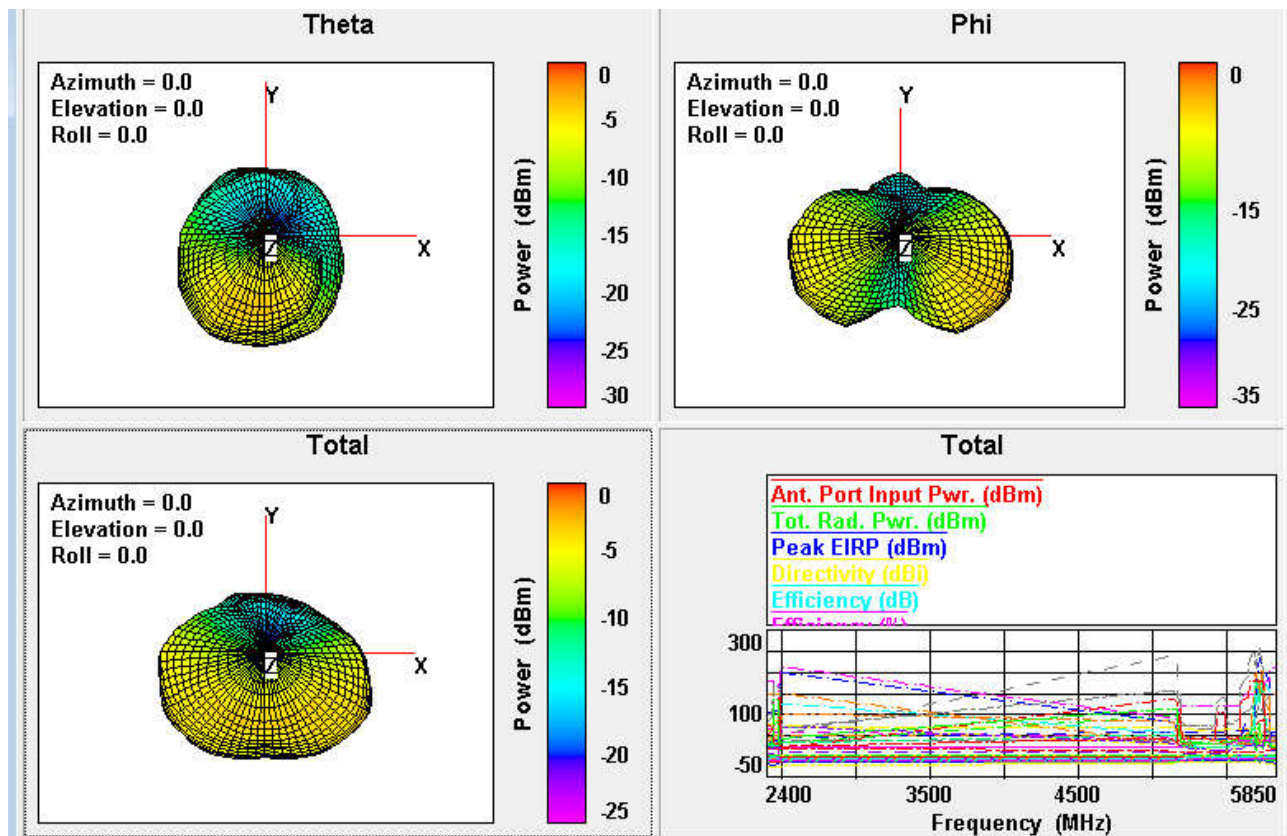
5530	-1.48
5540	-1.33
5550	-1.47
5560	-1.44
5570	-1.52
5580	-1.49
5590	-1.38
5600	-1.35
5610	-1.39
5620	-1.32
5630	-1.05
5640	-0.84
5650	-0.77
5660	-1.06
5670	-0.97
5680	-0.70
5690	-0.58
5700	-0.57
5710	-0.48
5720	-0.76
5730	-0.48
5740	-0.46
5750	-0.39
5760	-0.54
5770	-0.45
5780	-0.47
5790	-0.61
5800	-0.50
5810	-0.70
5820	-0.35
5830	-0.37
5840	-0.33
5850	-0.44

1.2.3 antenna radiation pattern

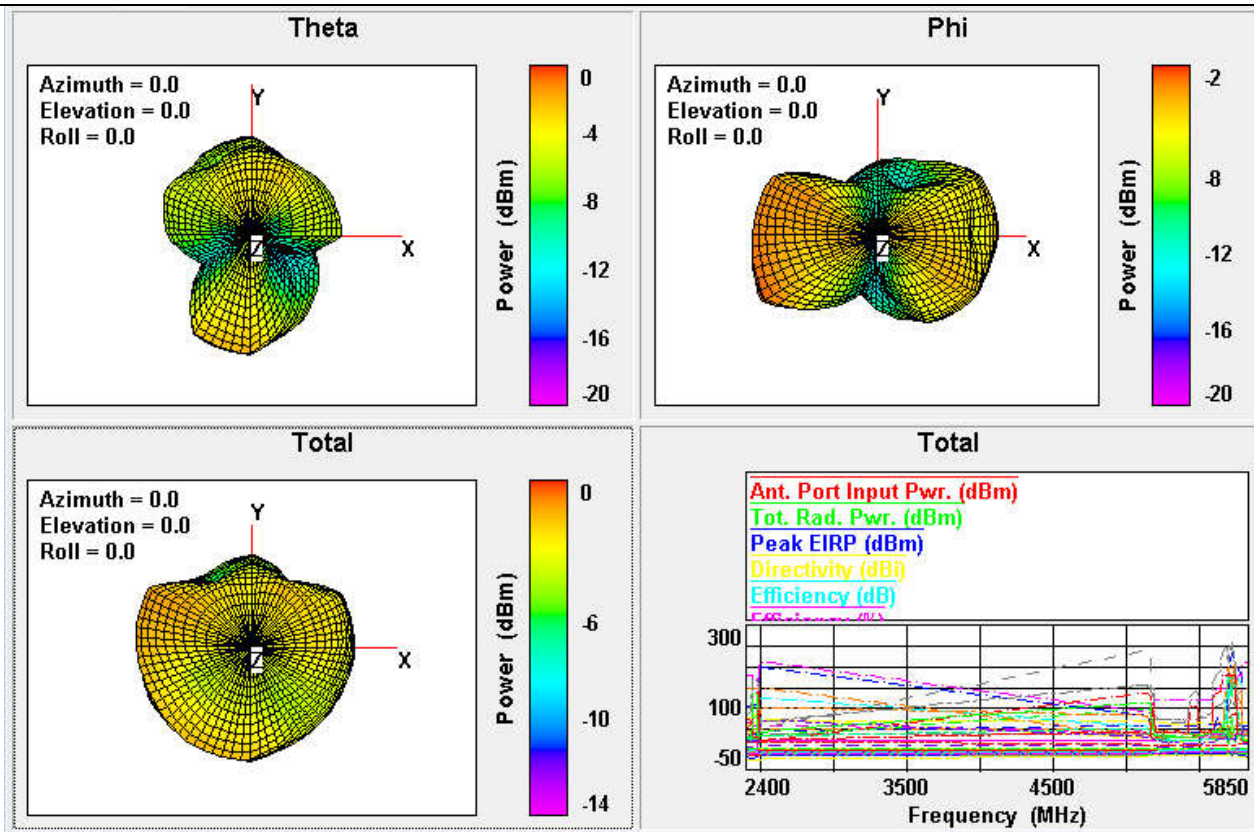
GPS 1575MHz:



WIFI2.4G 2450MHz:



WIFI5.8G 5790MHz:



2、NFC antenna

2.1 Antenna Type: Loop antenna

2.2 Antenna Dimension(mm): 44.6*17.9*0.23(L*W*H)

2.3 Manufacturer: Wistron Newweb Corp.

2.4 Manufacturer P/N: ET3097