

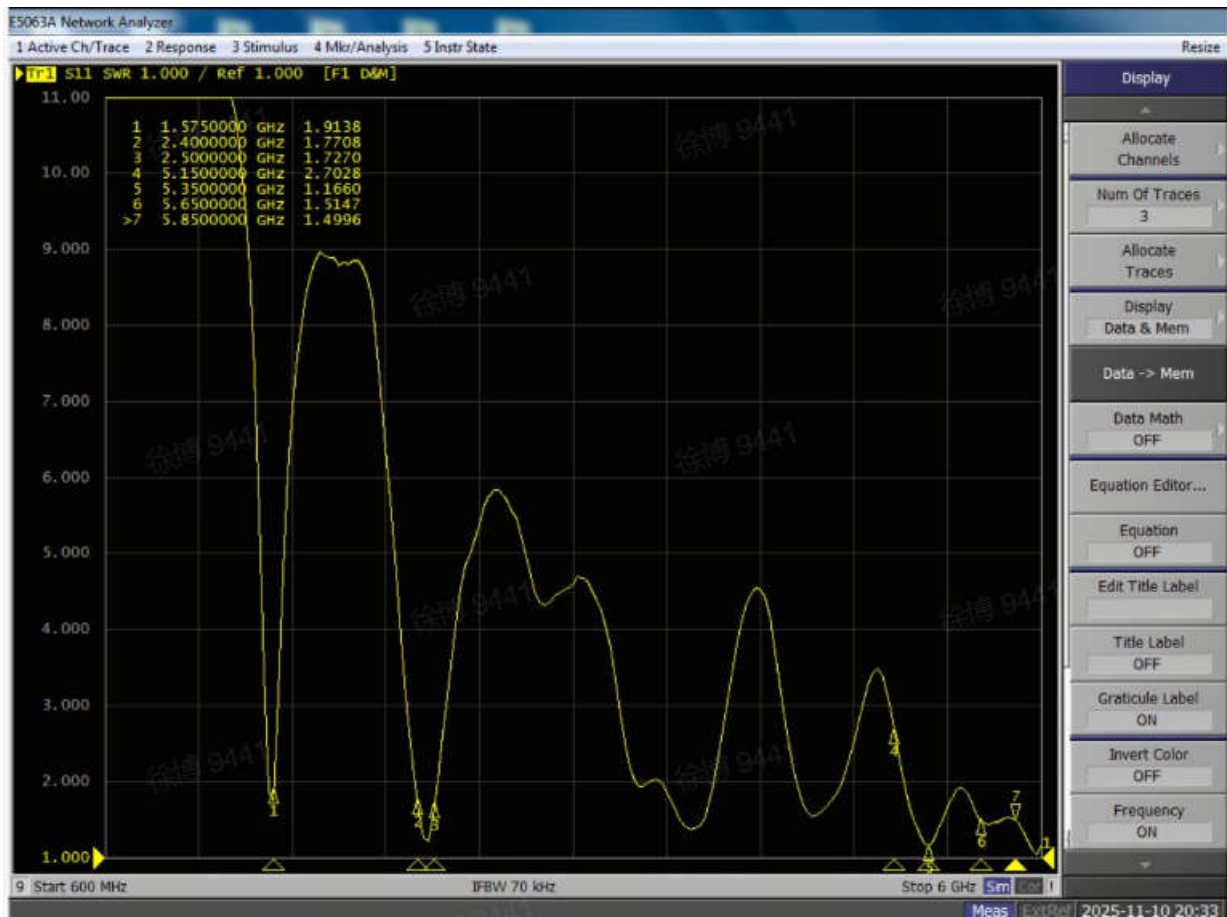
Antenna Specification

Brand	vivo	Model name	V2553
data	2026/1/16	Software version	PD25420F_EX_A_16. 0.3.9.W30

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 : IFA

-Antenna Manufacturer : Huizhou Speed Wireless Technology Co., td.

Manufacturer Address :No. 138 Huize Avenue, Dongjiang High tech Industrial Park,
Zhongkai High tech Zone, Huizhou City

Gain value is measured by Wang Youxian WangYouxian

Gain Value is measured in active call & Antenna selection.

Antenna gain is measured in ETS Chamber.

Test Equipment list

Description	Manufacturer	Model	Cal date	Due date
Passive test equipment	Keysight	E5071C	2025/10/10	2026/10/10

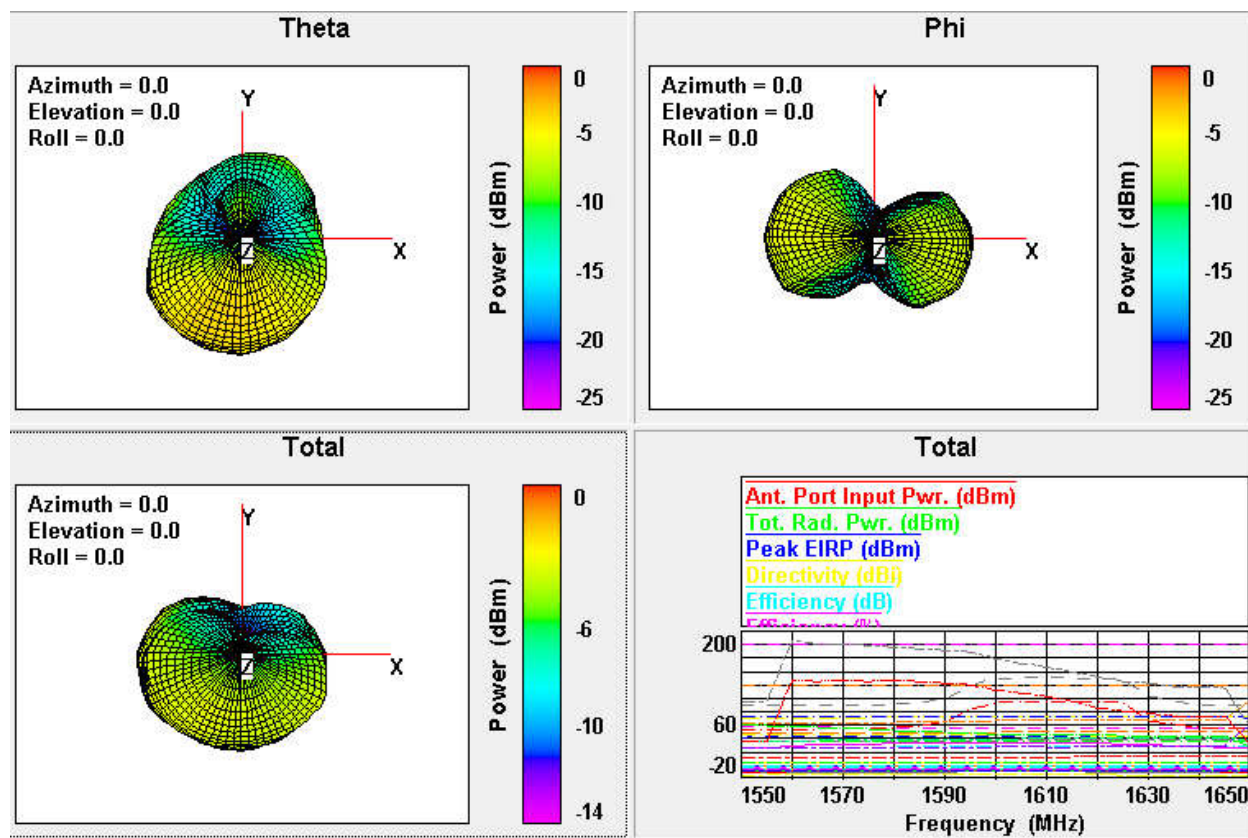
1.2.1 test result

Frequency (MHz)	Gain (dBi)
1550	-1.64
1555	-1.55
1560	-1.53
1565	-1.54
1570	-1.57
1575	-1.53
1580	-1.57
1585	-1.6
1590	-1.71
1595	-1.8
1600	-1.87
1605	-2.01
1610	-2.21
1615	-2.37
1620	-2.48
1625	-2.74
1630	-2.99
1635	-3.22
1640	-3.43
1645	-3.67
1650	-4
2400	-0.18
2410	0
2420	0.13
2430	0.23
2440	0.09
2450	-0.04
2460	-0.11
2470	-0.1
2480	-0.1

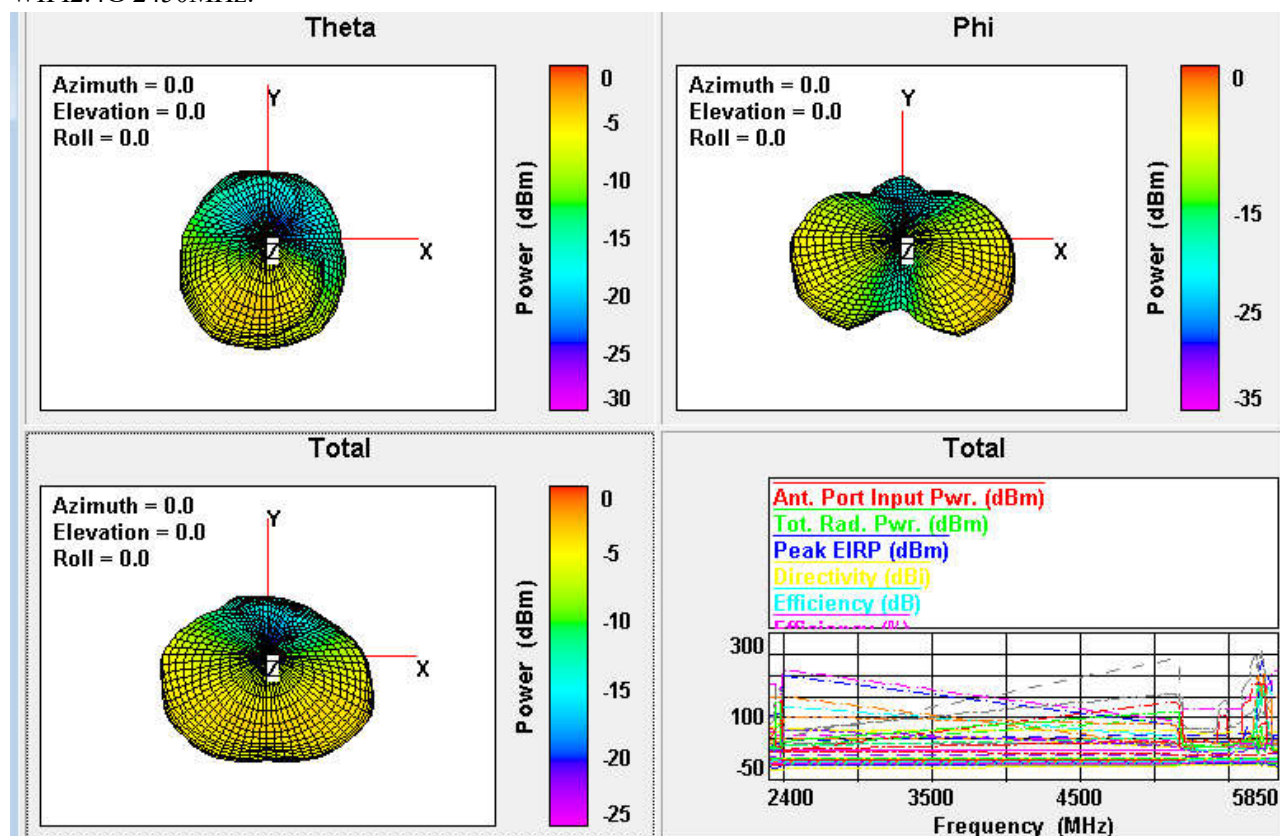
2490	-0.24
2500	-0.51
5150	-0.2
5170	0.25
5190	0.34
5210	0.38
5230	0.25
5250	0.26
5270	0.29
5290	0.21
5310	0.04
5330	-0.23
5350	-0.51
5370	-0.92
5390	-1.15
5410	-1.29
5430	-1.68
5450	-1.84
5470	-1.49
5490	-1.34
5510	-1.23
5530	-1.08
5550	-1.04
5570	-1.18
5590	-1.07
5610	-1.13
5630	-0.81
5650	-0.99
5670	-0.97
5690	-0.73
5710	-0.47
5730	-0.36
5750	-0.22
5770	-0.48
5790	-0.73
5810	-0.81
5830	-0.81
5850	-1.08

1.2.2 antenna radiation pattern

GPS 1575MHz:



WIFI2.4G 2450MHz:



WIFI5.8G 5790MHz:

