

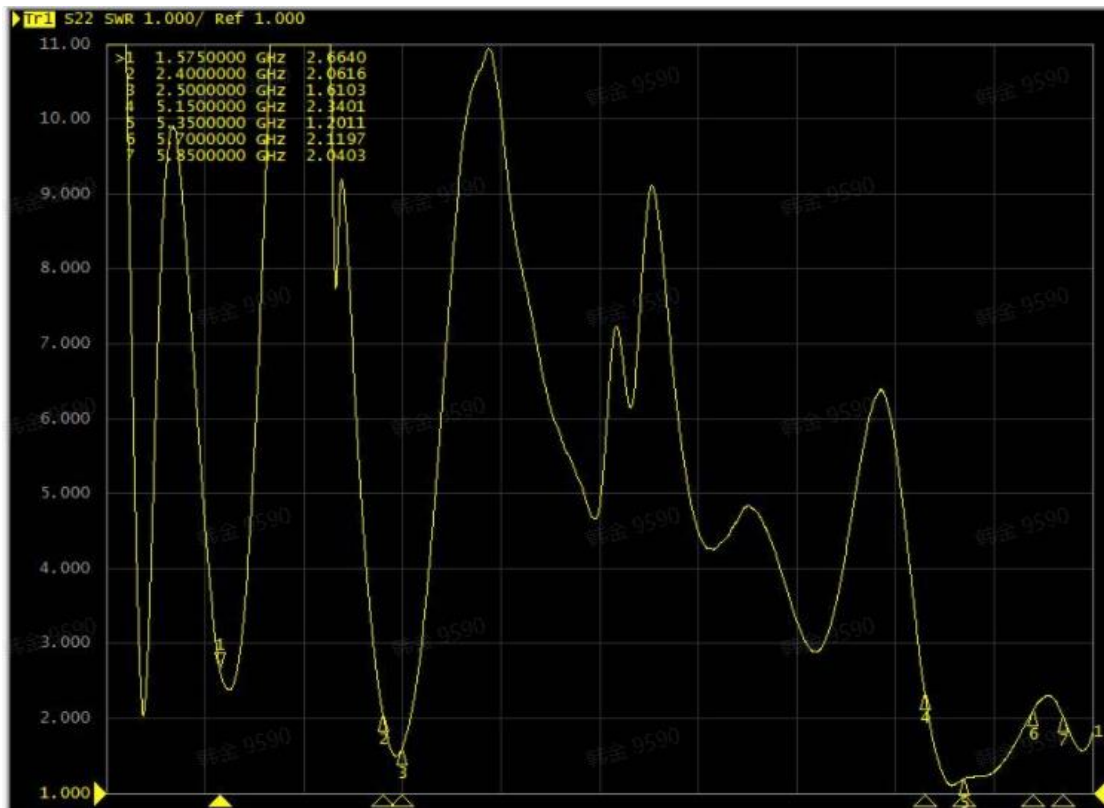
Antenna Specification

Brand	vivo	Model name	V2248
data	2023/5/3	Software version	PD2279JF_EX_A_13.0.3.4.W 30

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 : Huizhou SPEED Wireless Technology Co., Ltd.

Manufacturer Address : No.138, Shangxia Section, Hi-tech

District East-river, Huizhou, Guangdong, China

Gain value is measured by: Han jin

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 set up (ETS)

Refer to “antenna spec-setup photo”

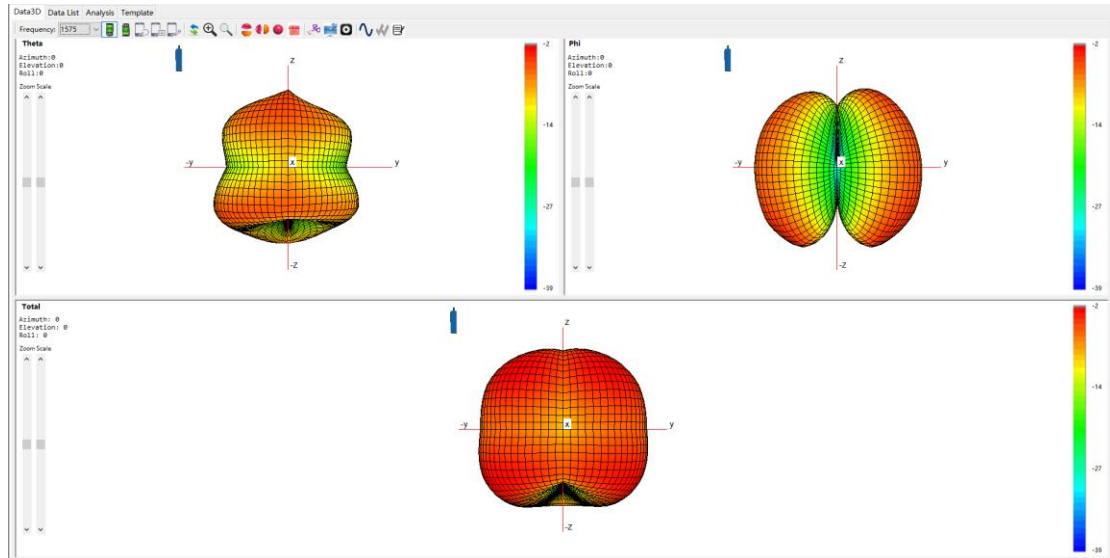
1.2.2 test result

Frequency (MHz)	Gain (dBi)
1550	-1.6
1555	-1.4
1560	-1.1
1565	-0.9
1570	-0.8
1575	-0.7
1580	-0.6
1585	-0.6
1590	-0.5
1595	-0.5
1600	-0.5
1605	-0.5
1610	-0.5
1615	-0.7
1620	-0.6
1625	-0.7
1630	-0.9
1635	-0.9
1640	-1.1
1645	-1.3
1650	-1.5
2400	-3.5
2410	-3.3
2420	-3.0
2430	-3.9

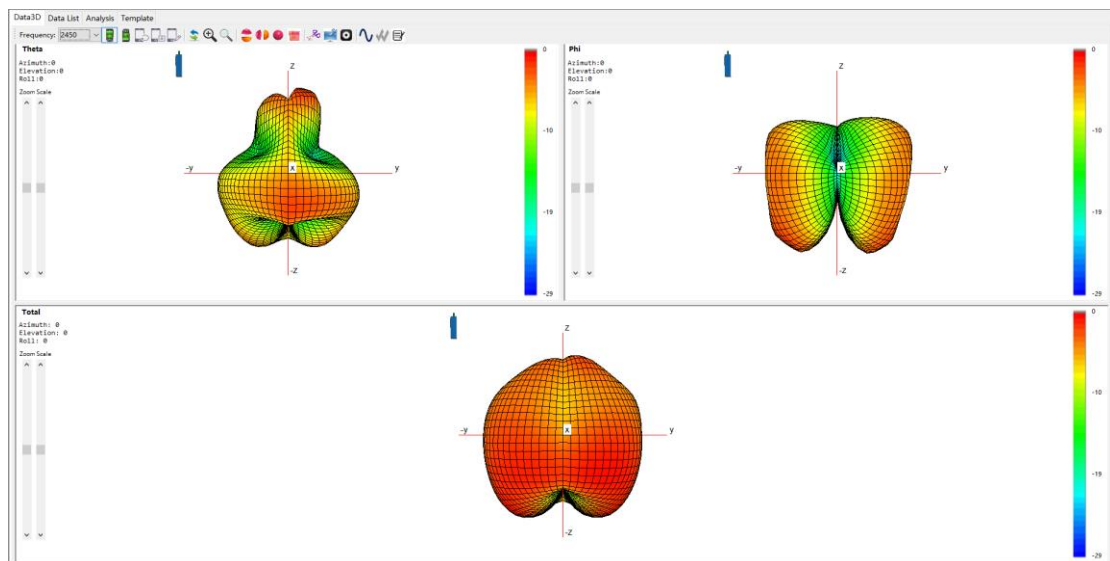
2440	-3.9
2450	-3.9
2460	-3.0
2470	-3.1
2480	-3.3
2490	-3.6
2500	-3.1
5150	-3.8
5170	-3.2
5190	-3.0
5210	-3.6
5230	-3.4
5250	-3.3
5270	-3.6
5290	-3.6
5310	-3.4
5330	-3.3
5350	-3.0
5370	-3.8
5390	-3.7
5410	-3.6
5430	-3.8
5450	-3.1
5470	-3.0
5490	-3.0
5510	-3.4
5530	-3.6
5550	-3.2
5570	-3.5
5590	-3.5
5610	-3.8
5630	-3.4
5650	-3.6
5670	-3.8
5690	-3.5
5710	-3.5
5730	-3.6
5750	-3.8
5770	-3.9
5790	-3.9
5810	-3.6
5830	-3.3
5850	-3.0

1.2.3 antenna radiation pattern

GPS 1575MHz:



WiFi 2.4G 2450MHz:



WiFi 5.8G 5790MHz:

