

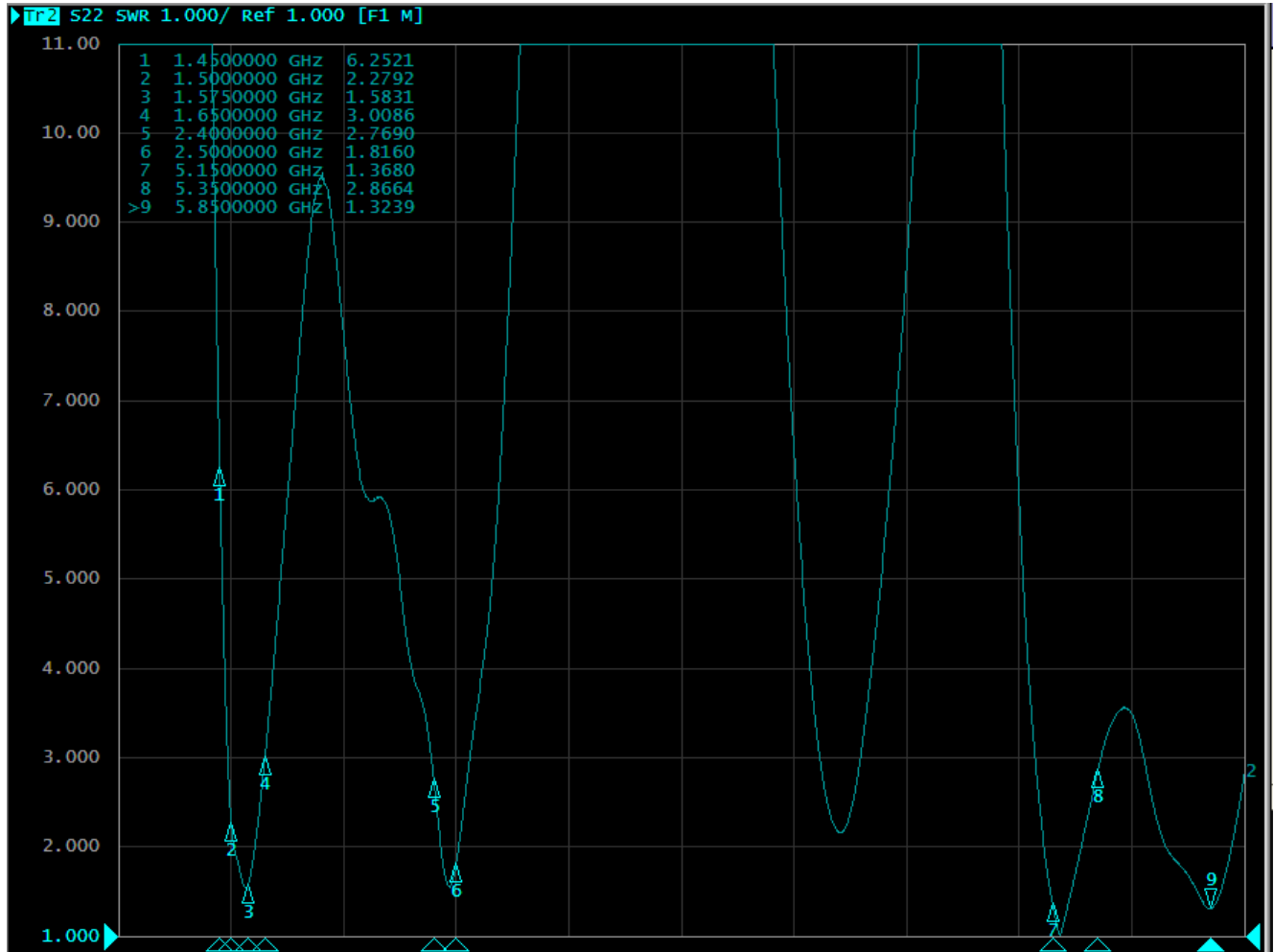
# Antenna Specification

Brand	vivo	Model name	V2249
data	2023/5/22	Software version	PD2281F_EX_A_13.0 . 4. 15. W30. 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 : IFA

-Antenna Manufacturer : Huizhou Speed Wireless Technology Co.Limited

Gain value is measured by lin dongcheng

Gain Value is measured in active call & Antenna selection.

Antenna gain is measured in GTS Chamber.

Test Equipment list

Description	Manufacturer	Model	Cal Due
Passive test equipment	Keysight	E5071C	2023/8/8

1.2.1 test set up (GTS)

Please find “Ant test setup photos”

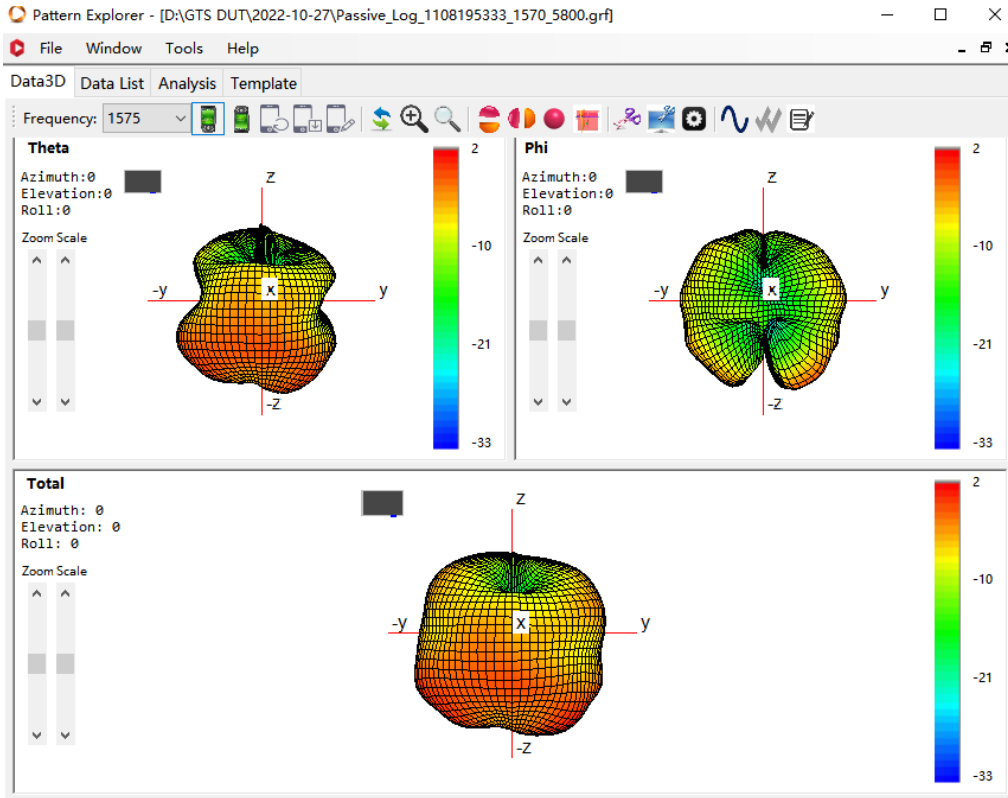
1.2.2 test result

Frequency (MHz)	Gain (dBi)
1550	-1.8
1555	-1.8
1560	-1.5
1565	-1.3
1570	-1.1
1575	-0.9
1580	-0.8
1585	-0.8
1590	-0.7
1595	-0.8
1600	-0.7
1605	-0.8
1610	-0.7
1615	-0.9
1620	-0.8
1625	-0.9
1630	-1.2
1635	-1.2
1640	-1.3
1645	-1.5
1650	-1.7
2400	-2.9
2410	-2.9
2420	-2.8
2430	-2.8
2440	-2.7
2450	-2.8
2460	-2.8
2470	-2.8

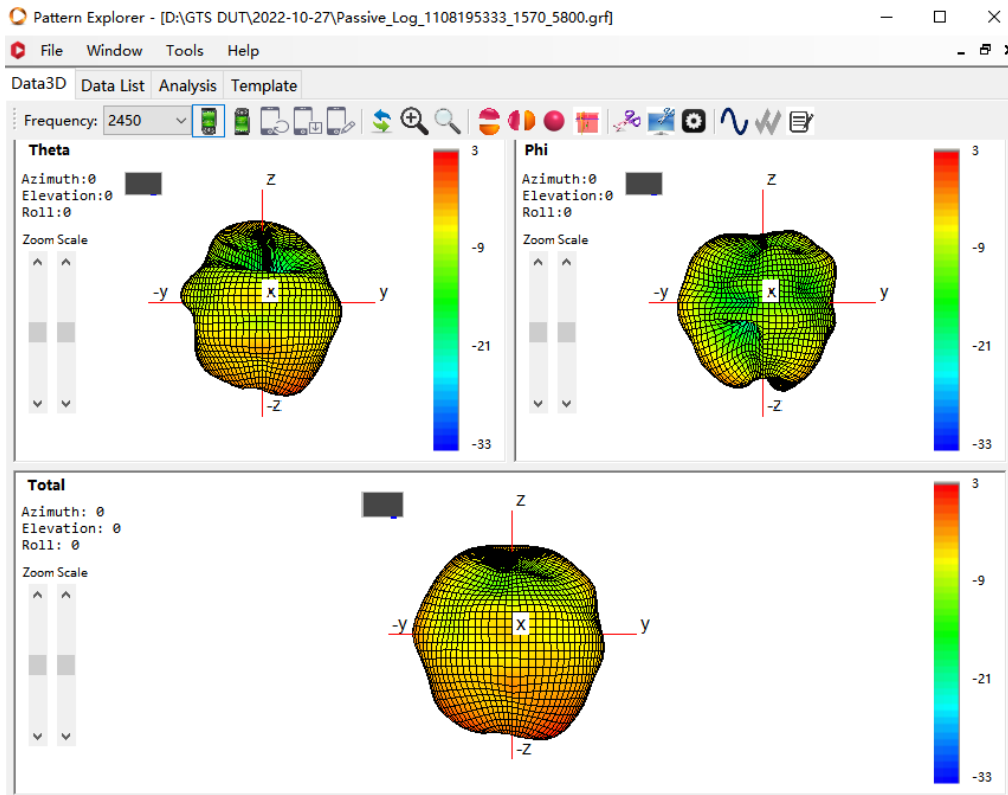
2480	-2.9
2490	-2.9
2500	-3.2
5150	-2.4
5170	-2.4
5190	-1.9
5210	-2.3
5230	-2.3
5250	-2.1
5270	-2.3
5290	-2.3
5310	-2.2
5330	-2.1
5350	-2
5370	-2.1
5390	-2
5410	-1.9
5430	-2.1
5450	-2.4
5470	-2.3
5490	-2.3
5510	-2.2
5530	-2.4
5550	-2.1
5570	-2.3
5590	-2.3
5610	-2.6
5630	-2.2
5650	-2.4
5670	-2.6
5690	-3.2
5710	-3.3
5730	-3
5750	-3
5770	-3.1
5790	-3.1
5810	-3.2
5830	-3.1
5850	-3.1

1. 2. 3 antenna radiation pattern

GPS 1575MHz:



WiFi2.4G 2450MHz:



WiFi5.8G 5790MHz:

