

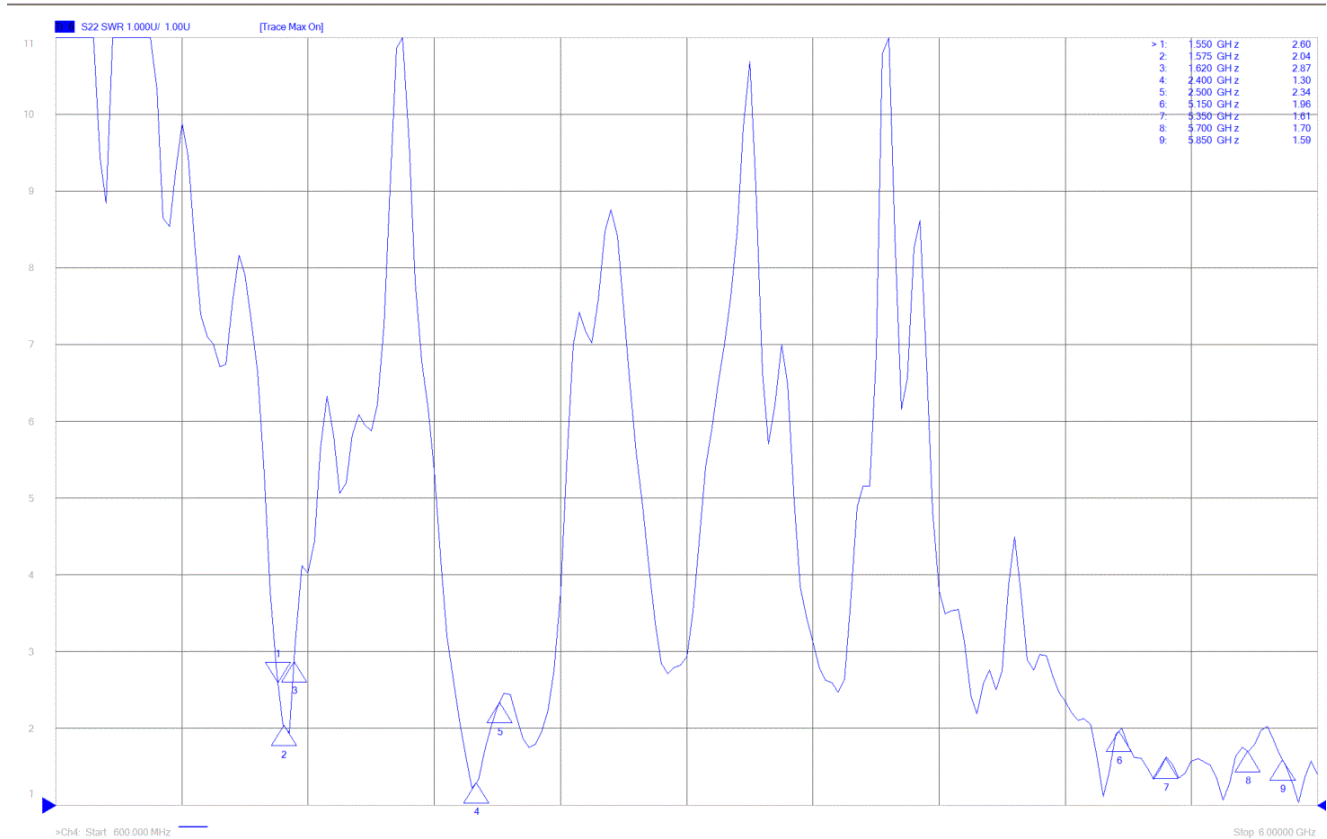
# Antenna Specification

Brand	vivo	Model name	V2236
data	2022/11/8		

## 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 : KunShan Innwave Communication Technology Co., Ltd.

Gain value is measured by Wang Youxian

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	2023/5/6

1.2.1 test set up (GTS)



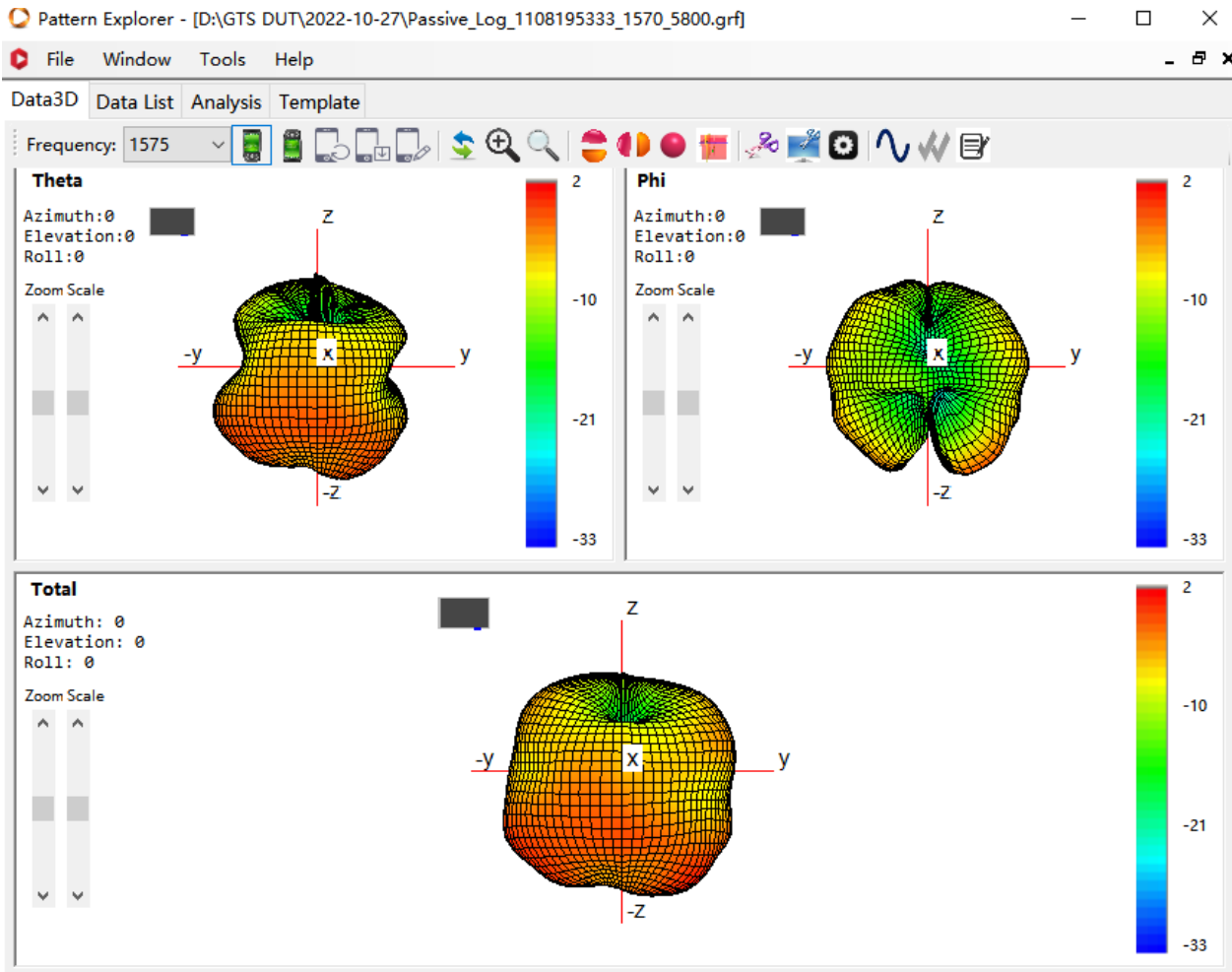
Picture two: set up

1.2.2 test result

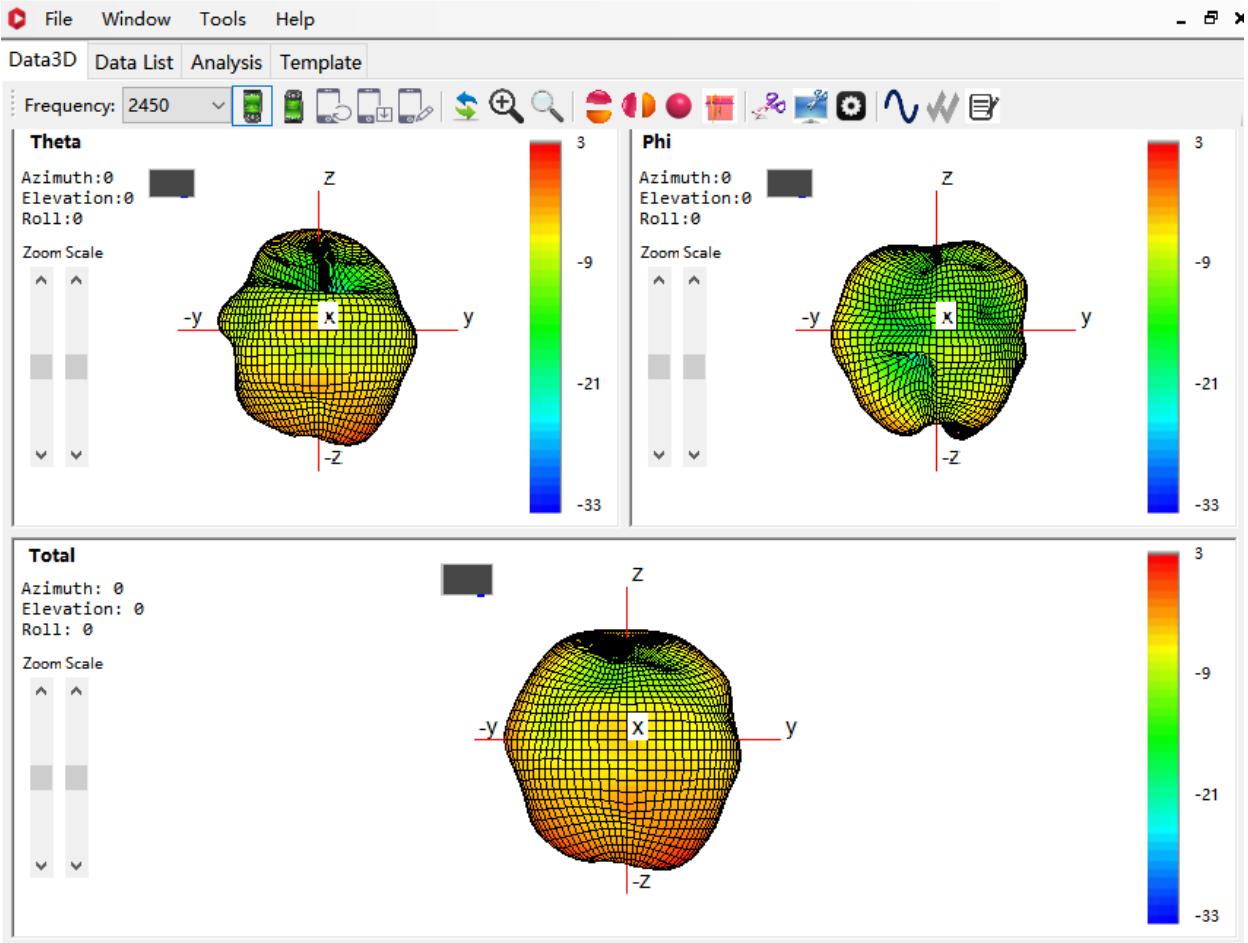
		Antenna Gain (dBi)
<b>802.11b/g/n(HT20)</b>		
SISO	2400~2483.5MHz	-2.95
<b>802.11a/n(HT20/40)/ac (VHT20/40/80)</b>		
SISO	5150-5250MHz	-1.92
SISO	5250-5350MHz	-1.92
SISO	5470-5725MHz	-1.92
SISO	5725-5850MHz	-3
<b>BT 2.1+EDR, BLE5.2</b>	2400~2483.5MHz	-2.95

### 1.2.3 antenna radiation pattern

GPS 1575MHz:



WIFI2.4G 2450MHz:

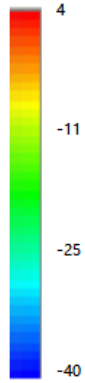
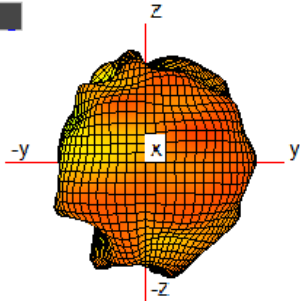


WiFi 5.8G 5790MHz:

**Theta**

Azimuth: 0  
Elevation: 0  
Roll: 0

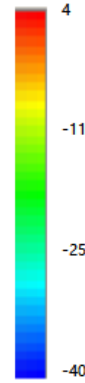
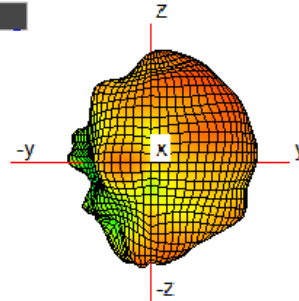
Zoom Scale



**Phi**

Azimuth: 0  
Elevation: 0  
Roll: 0

Zoom Scale



**Total**

Azimuth: 0  
Elevation: 0  
Roll: 0

Zoom Scale

