

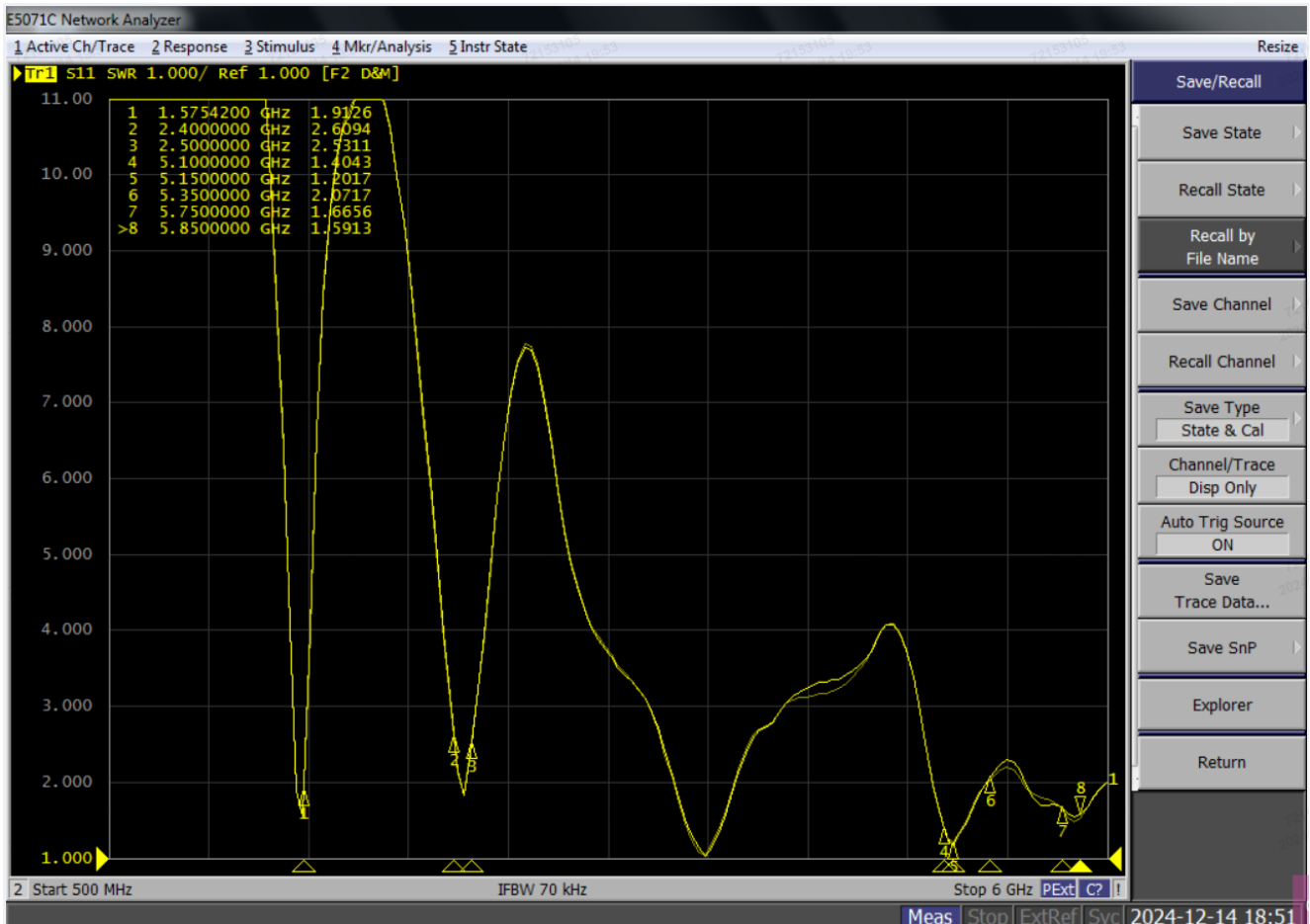
Antenna Specification

Brand	vivo	Model name	V2446
data	2024/12/14	Software version	PD2443F_EX_A_15.0 . 2. 7. 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

- Model name (P/N) : Ant 22#

-Antenna Type : PIFA

-Antenna Manufacturer : Kunshan Innwave Communication Technology Co., Ltd.

Manufacturer Address : Building H, No. 55 Shengchuang Road, Yushan Town,

Kunshan City, Jiangsu Province, PR China

Gain value is measured by

Gao Xiao 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	2024/7/18

1.2.1 test set up (SATIMO)

Please refer to STC setup photos for Antenna Specification

1.2.2 test result

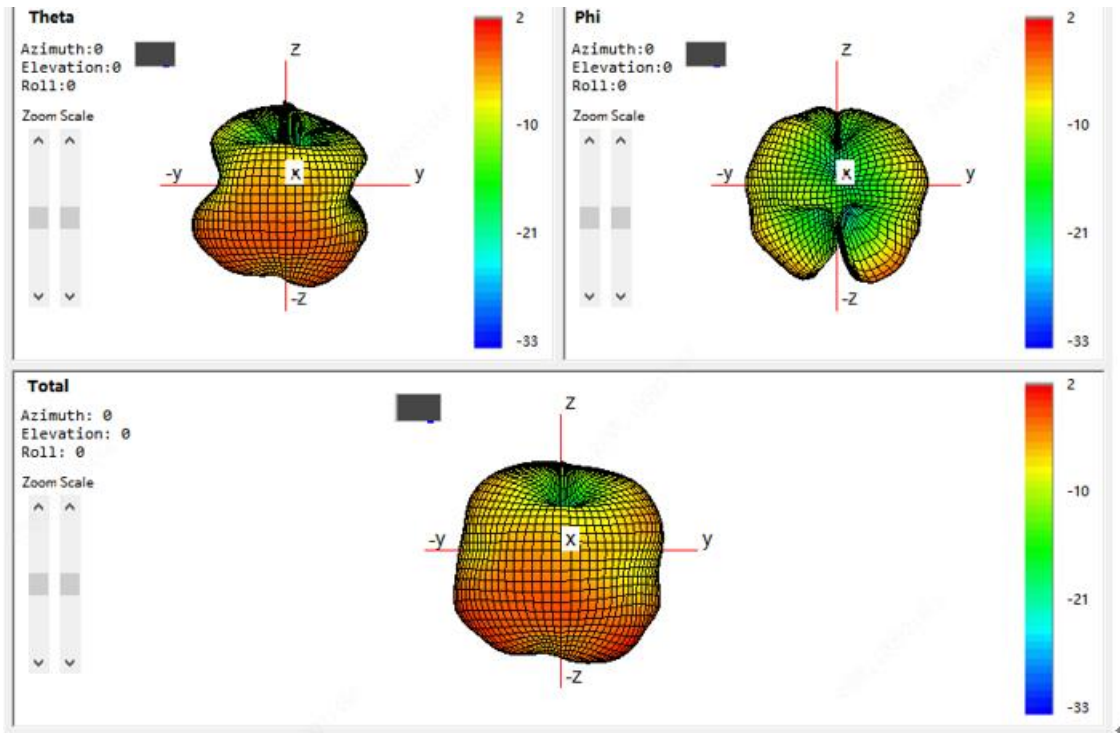
Frequency (MHz)	Gain (dBi)
1500	-4.29
1510	-3.84
1520	-3.15
1530	-2.58
1540	-1.88
1550	-1.22
1560	-1.02
1570	-0.98
1580	-1.34
1590	-2
1600	-3
1610	-4.11
1620	-5.06
1630	-5.97
1640	-6.69
1650	-7.78
2400	-0.49
2410	-0.13
2420	0.16
2430	0.45
2440	0.74
2450	0.95
2460	1.14
2470	1.14
2480	0.88
2490	0.63
2500	0.43
5150	-0.31

5160	-0.38
5170	-0.52
5180	-0.64
5190	-0.61
5200	-0.55
5210	-0.78
5220	-0.9
5230	-0.94
5240	-1.13
5250	-1.35
5260	-1.32
5270	-1.45
5280	-1.62
5290	-1.62
5300	-1.48
5310	-1.48
5320	-1.58
5330	-1.75
5340	-1.72
5350	-1.81
5470	-0.66
5480	-0.52
5490	-0.55
5500	-0.47
5510	-0.47
5520	-0.56
5530	-0.64
5540	-0.64
5550	-0.62
5560	-0.9
5570	-1.13
5580	-1.32
5590	-1.29
5600	-1.08
5610	-1.08
5620	-1.07
5630	-1
5640	-1.18
5650	-1.32
5660	-1.59
5670	-1.37
5680	-1.36
5690	-1.33

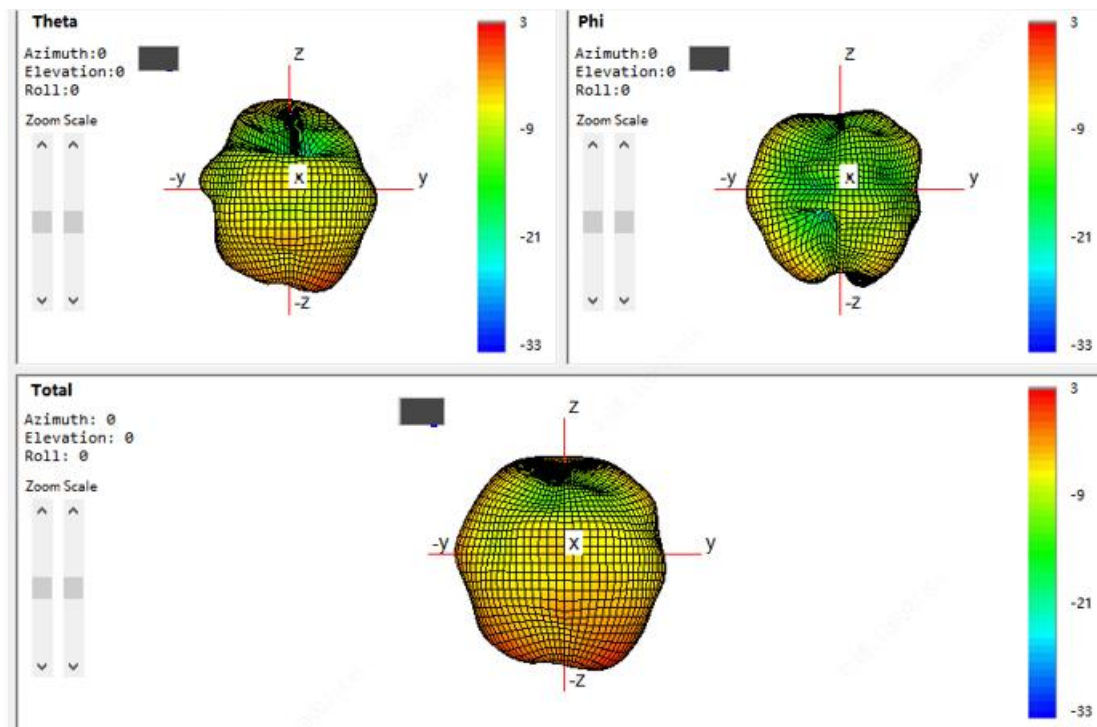
5700	-1.36
5710	-1.31
5720	-1.44
5730	-1.45
5740	-1.48
5750	-1.37
5760	-1.38
5770	-1.42
5780	-1.51
5790	-1.62
5800	-1.78
5810	-1.79
5820	-1.85
5830	-1.53
5840	-1.29
5850	-1.18

1.2.3 antenna radiation pattern

GPS



WIFI2.4G



WIFI 5G

