

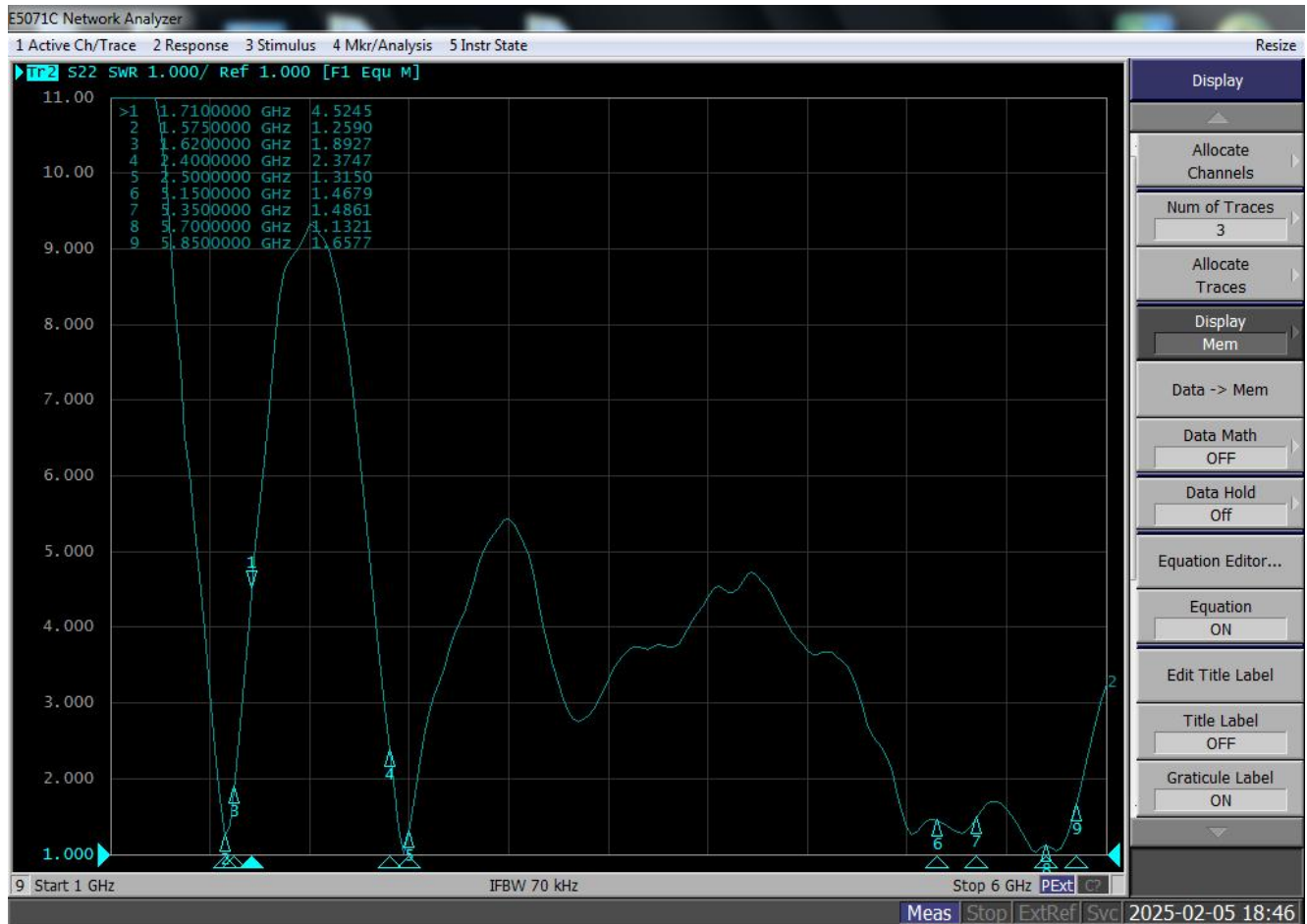
Antenna Specification

Brand	vivo	Model name	V2434
data	2025/02/06	Software version	PD2446F_EX_A_15.0 . 8. 1. 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) : WCN3950

-Antenna Type : PIFA

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

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

Gain value is measured by Huang Wenxin

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	2025/2/6

1.2.1 test set up (ETS)



Picture two: set up

1.2.2 test result

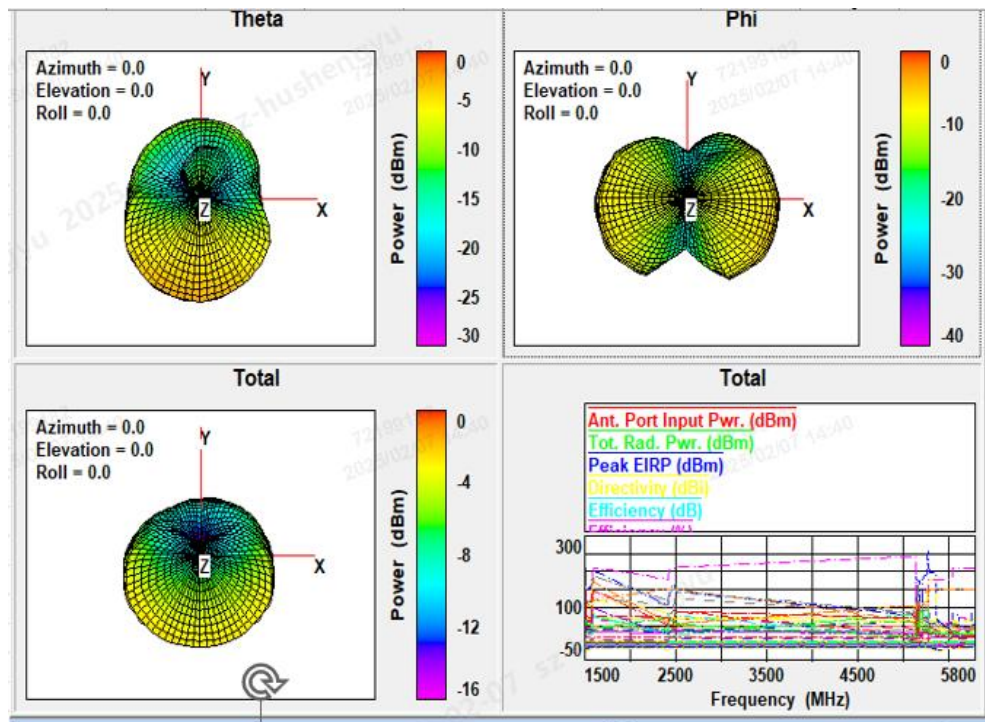
Frequency (MHz)	Gain (dBi)
1550	-1.4
1555	-1.3
1560	-1.2
1565	-1.0

1570	-0.9
1575	-0.9
1580	-0.9
1585	-0.9
1590	-0.9
1595	-1.0
1600	-1.0
1605	-1.1
1610	-1.2
1615	-1.3
1620	-1.4
1625	-1.6
1630	-1.8
1635	-2.0
1640	-2.1
1645	-2.5
1650	-2.8
2400	0.82
2410	0.77
2420	0.69
2430	0.51
2440	0.69
2450	0.0
2460	0.07
2470	-0.02
2480	-0.2
2490	-0.6
2500	-1.2
5150	-0.4
5170	-0.2
5190	-0.3
5210	-0.4
5230	-0.2
5250	-0.1
5270	-0.1
5290	-0.06
5310	0.01
5330	0.3
5350	0.4
5370	0.5
5390	0.8
5410	1.12
5430	0.89
5450	0.84
5470	0.97

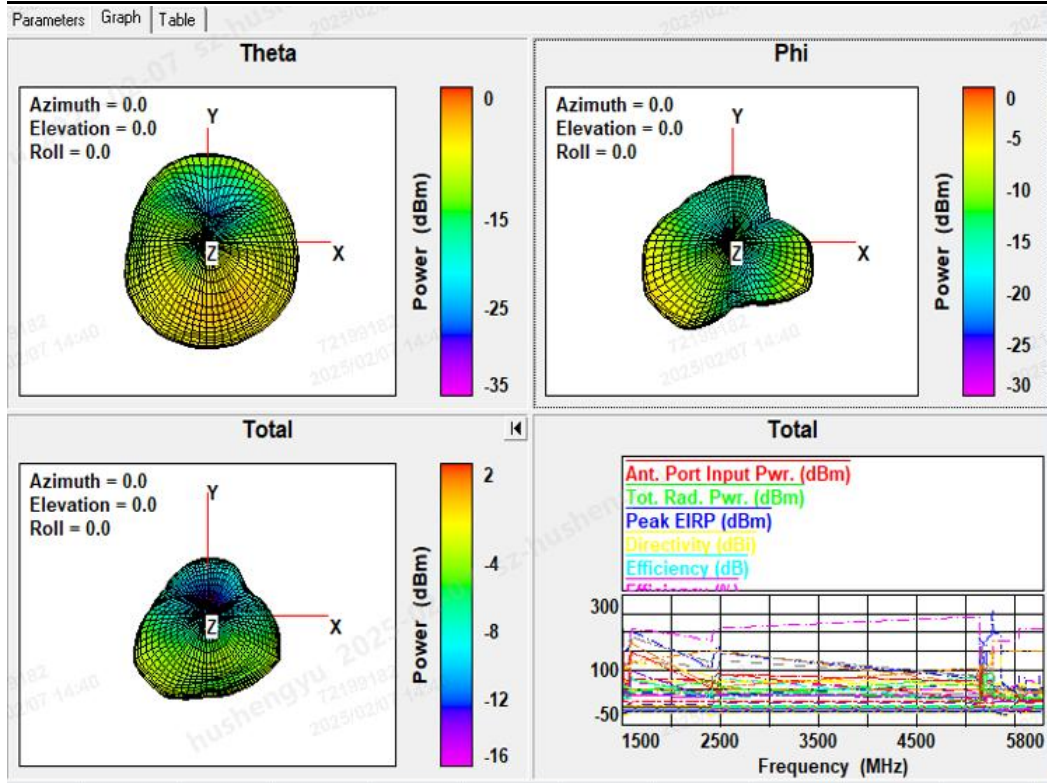
5490	1.12
5510	1.36
5530	1.51
5550	1.66
5570	0.89
5590	1.0
5610	0.6
5630	0.5
5650	0.5
5670	0.3
5690	0.5
5710	0.4
5730	0.4
5750	0.3
5770	0.2
5790	0.3
5810	0.2
5830	0.3
5850	0.2

1.2.3 antenna radiation pattern

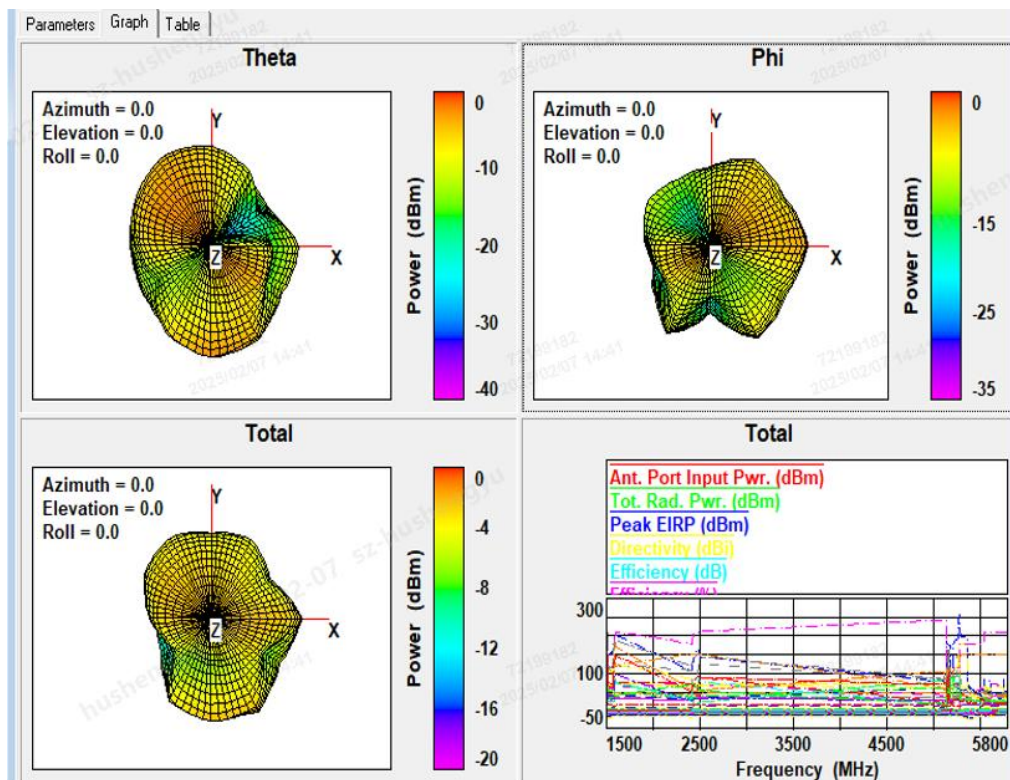
GPS 1575MHz:



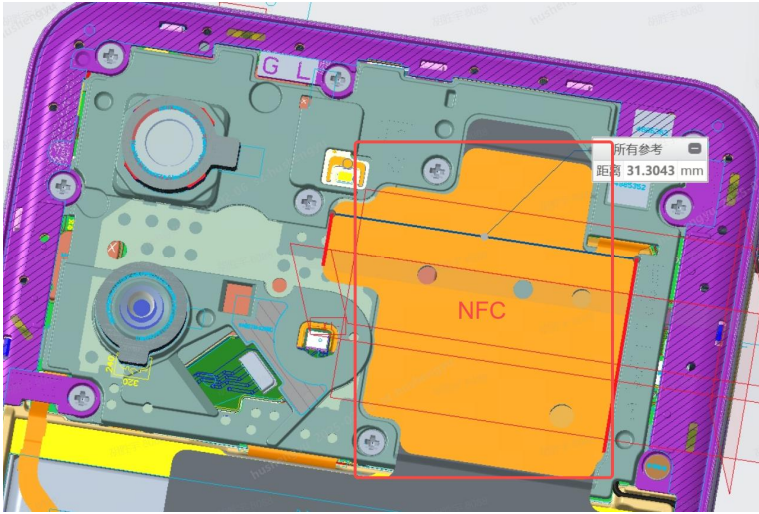
WIFI2.4G 2450MHz:



WiFi5.8G 5790MHz:



2、NFC antenna



2.1 Antenna Type: Loop antenna

2.2 Antenna Dimension(mm): 31.3*32.3*0.23(L*W*H)

2.3 Manufacturer: Huizhou Speed Wireless Technology Co., Ltd.

2.4 Manufacturer P/N: PN560