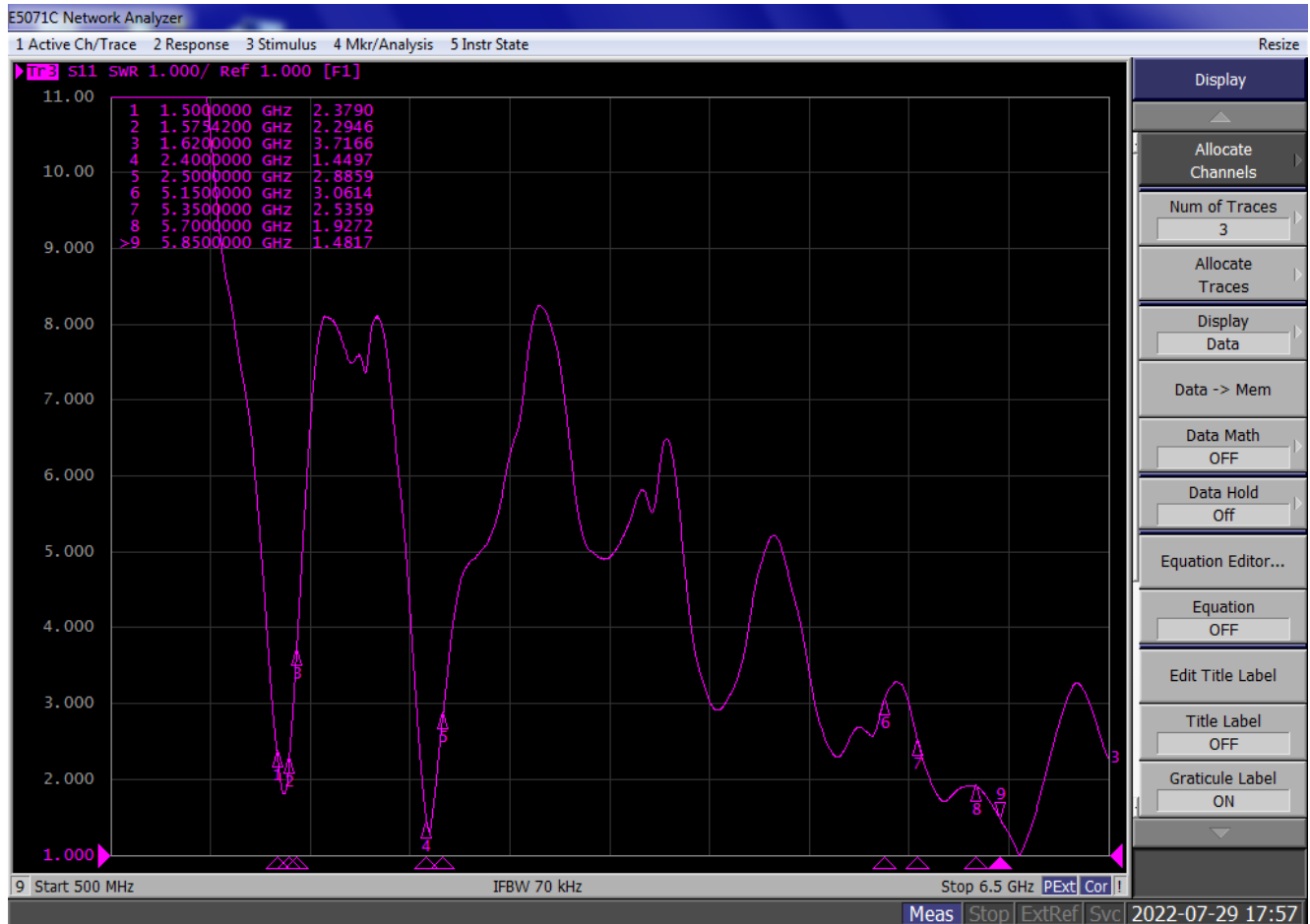

Antenna Specification

Brand	vivo	Model name	V2521
data	2025/8/18	Software version	PD2511NF_EX_A_15. 0.11.10.W30

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 Huize Avenue, Dongjiang High tech Industrial Park,
Zhongkai High tech Zone, Huizhou City

Gain value is measured by Wang Youxian

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	2025/7/28

1.2.1 test set up (ETS)

Picture two: set up

1.2.2 test result

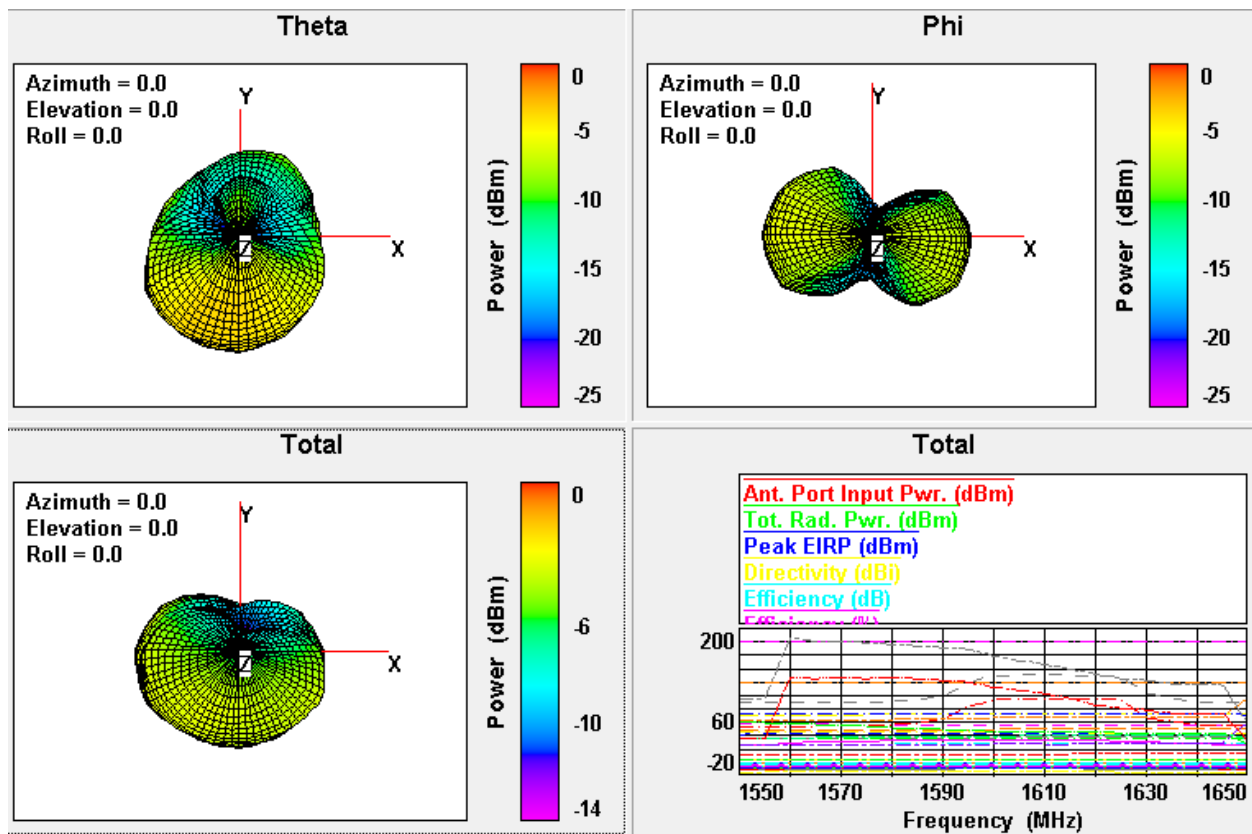
Frequency (MHz)	Gain (dBi)
1550	-1.7
1555	-1.6
1560	-1.5
1565	-1.3
1570	-1.3
1575	-1.3

1580	-1.4
1585	-1.4
1590	-1.5
1595	-1.5
1600	-1.5
1605	-1.3
1610	-1.2
1615	-1.1
1620	-1.0
1625	-0.1
1630	-0.9
1635	-0.9
1640	-1.1
1645	-1.3
1650	-1.5
2400	-0.2
2410	0.0
2420	0.2
2430	0.2
2440	0.1
2450	0.0
2460	0.0
2470	0.1
2480	0.1
2490	-0.1
2500	-0.4
5150	-1.6
5170	-1.0
5190	-0.67
5210	-0.4
5230	-0.2
5250	0.0
5270	0.1
5290	0.3
5310	0.3
5330	0.5
5350	0.3
5370	0.0
5390	-0.1
5410	-0.0
5430	-0.5
5450	-0.6
5470	-0.4
5490	-0.4
5510	-0.3

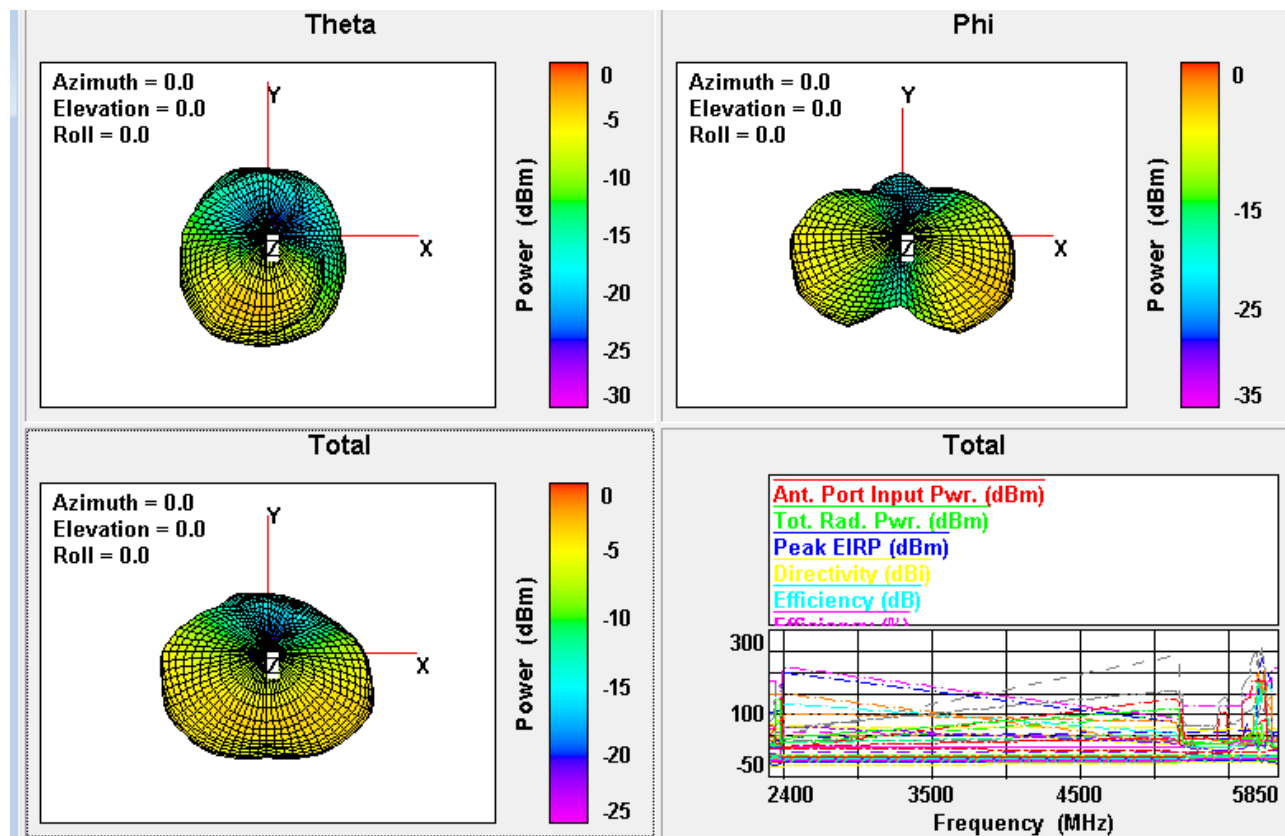
5530	-0.2
5550	0.0
5570	-0.2
5590	-0.0
5610	0.1
5630	0.1
5650	0.1
5670	-0.1
5690	0.1
5710	0.3
5730	0.3
5750	0.5
5770	0.3
5790	0.3
5810	0.4
5830	0.7
5850	0.4

1.2.3 antenna radiation pattern

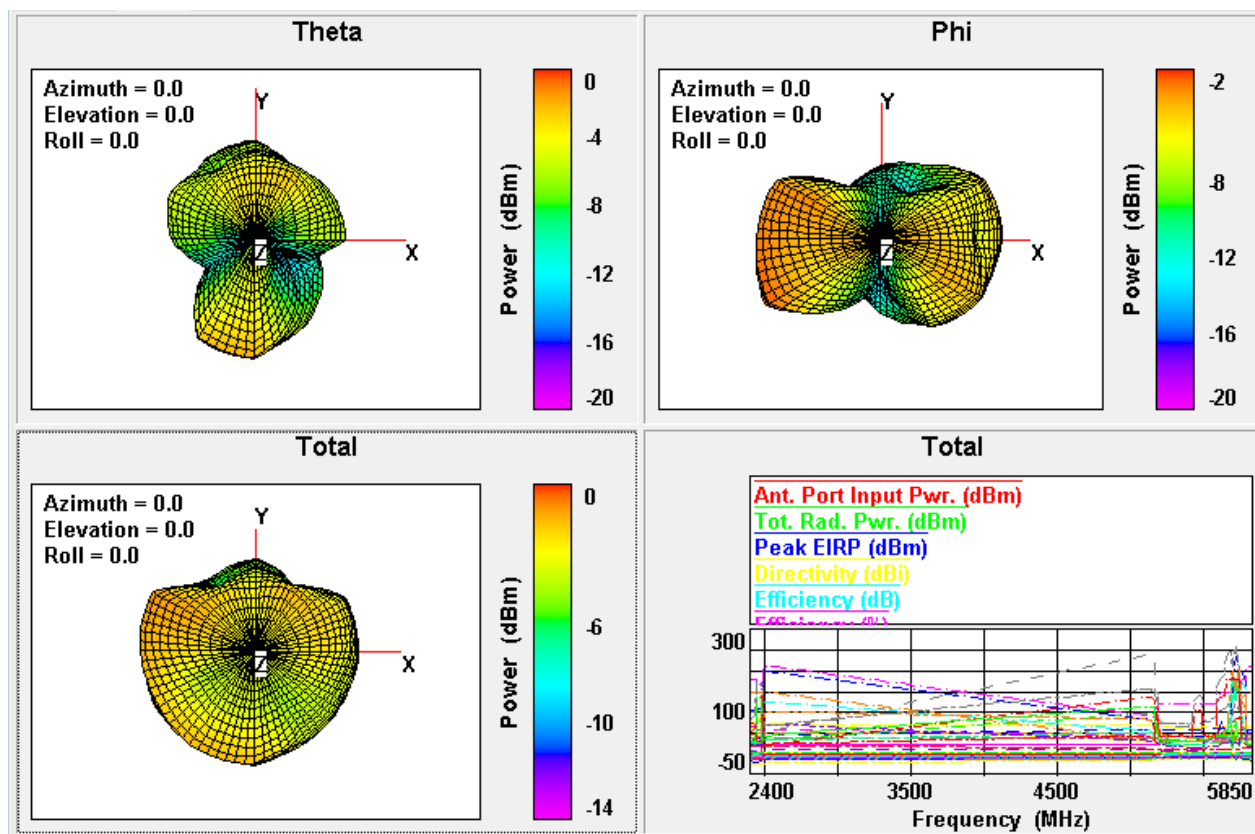
GPS 1575MHz:



WIFI2.4G 2450MHz:



WIFI5.8G 5790MHz:



2、NFC antenna

2.1 Antenna Type: Loop antenna

2.2 Antenna Dimension(mm): 32.5*27.8*0.23(L*W*H)

2.3 Manufacturer: Kunshan Innwave Communication Technology Co., Ltd

2.4 Manufacturer P/N: ET3097