

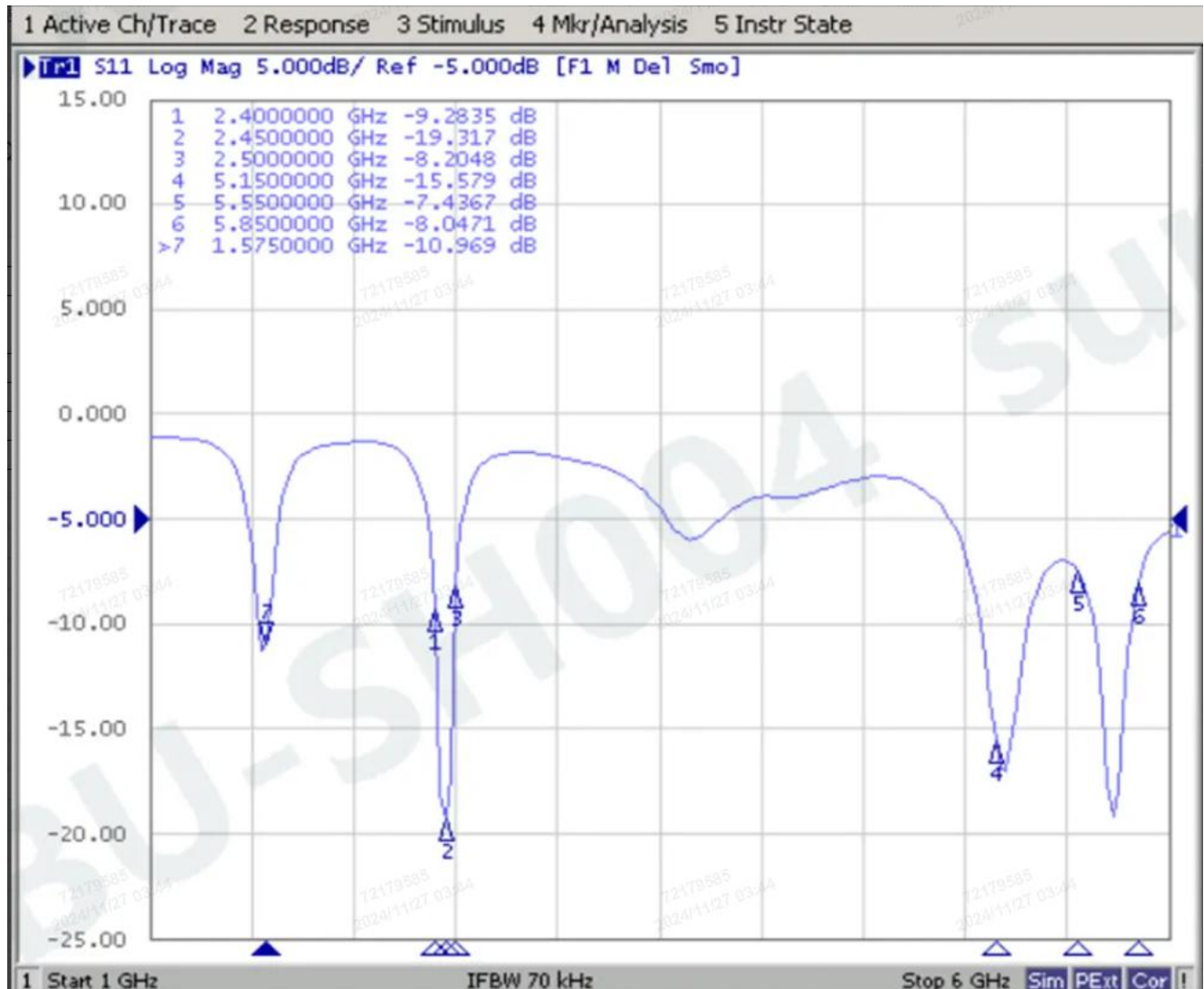
Antenna Specification

Brand	vivo	Model name	PD2442
data	2024/11/26	Software version	PD2442F_EX_A_14.0 .1.8.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 : Shenzhen Sunway Communication Co., Ltd.

Gain value is measured by liyangfan

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	2024/11/25

1.2.1 test set up (SATIMO)



Picture two: set up

1.2.2 test result

Efficiency (dB)	Gain (dBi)
1500	-3.92
1510	-3.66
1520	-3.28
1530	-2.89

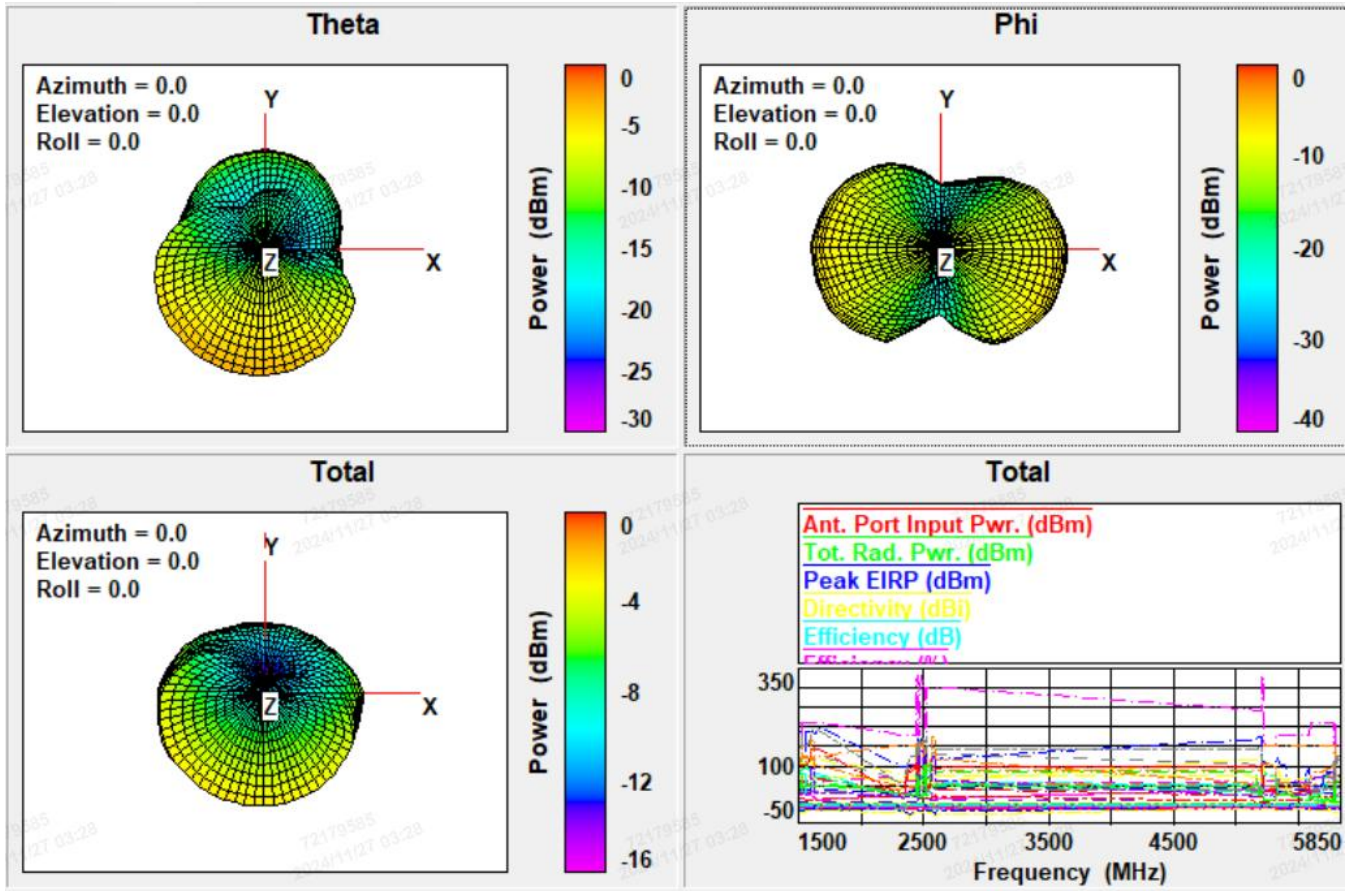
1540	-2.27
1550	-1.74
1560	-1.43
1570	-1.03
1580	-0.88
1590	-0.95
1600	-1.21
1610	-1.58
1620	-2.08
1630	-2.80
1640	-3.48
1650	-4.38
2405	0.16
2415	0.35
2425	0.56
2435	0.75
2445	0.79
2455	0.84
2465	0.82
2475	0.67
2485	0.26
2495	-0.21
5150	0.20
5160	0.11
5170	0.23
5180	0.19
5190	0.30
5200	0.39
5210	0.14
5220	-0.02
5230	-0.03
5240	-0.30
5250	-0.64
5260	-0.75
5270	-1.02
5280	-1.25
5290	-1.63
5300	-1.65
5310	-1.59
5320	-1.57
5330	-1.66
5340	-1.65
5350	-1.51
5360	-1.44
5370	-1.41

5380	-1.49
5390	-1.31
5400	-1.16
5410	-1.17
5420	-1.16
5430	-1.15
5440	-1.11
5450	-1.04
5460	-1.01
5470	-0.99
5480	-0.81
5490	-0.66
5500	-0.67
5510	-0.76
5520	-0.85
5530	-0.62
5540	-0.51
5550	-0.4
5560	-0.37
5570	-0.31
5580	-0.26
5590	0.17
5600	0.16
5610	0.25
5620	0.37
5630	0.49
5640	0.62
5650	0.53
5660	0.71
5670	0.83
5680	0.64
5690	0.58
5700	0.57
5710	0.38
5720	0.31
5730	0.37
5740	0.31
5750	0.37
5760	0.33
5770	0.43
5780	0.43
5790	0.33
5800	0.22
5810	0.11
5820	0.24

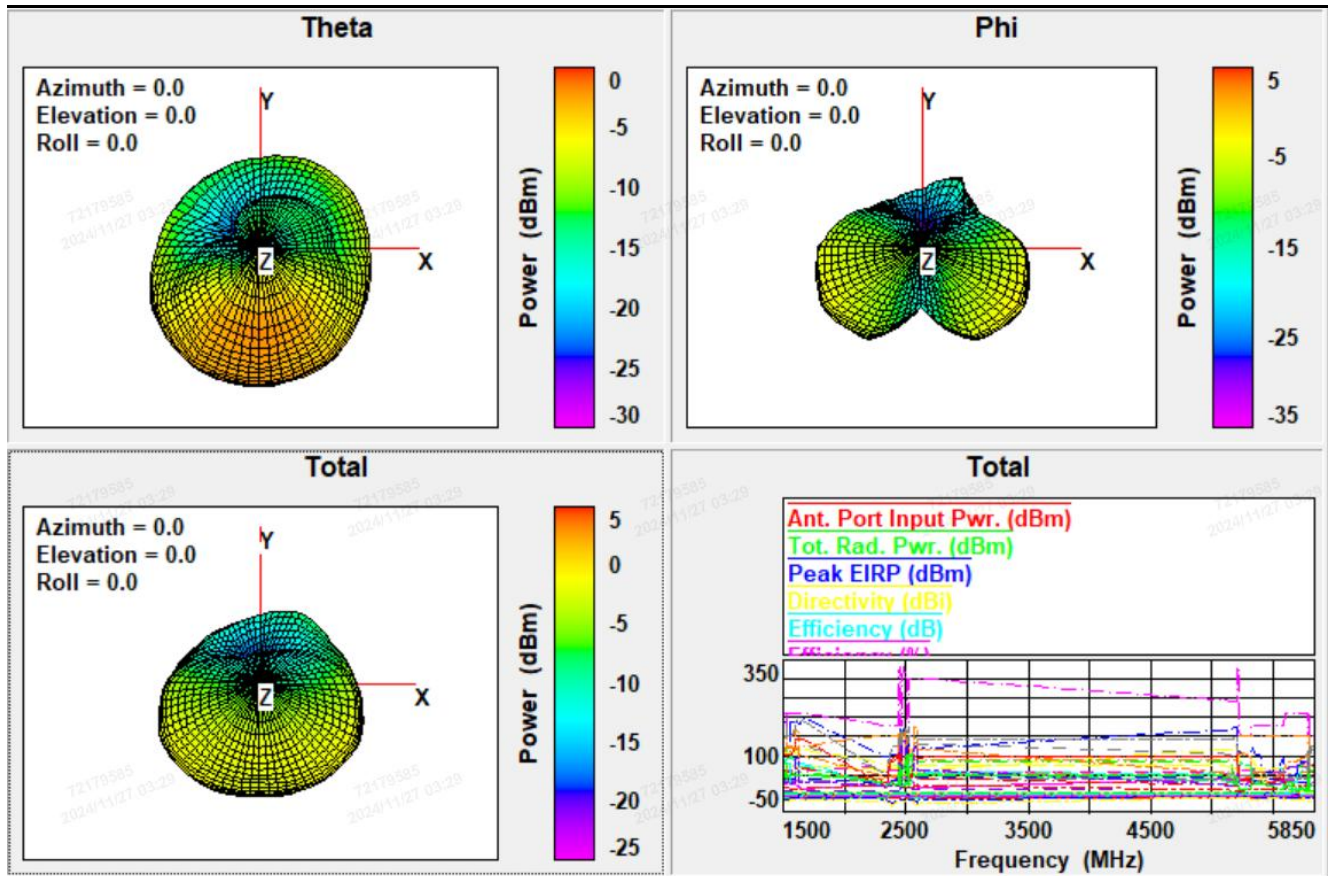
5830	0.20
5840	0.08
5850	-0.04

1.2.3 antenna radiation pattern

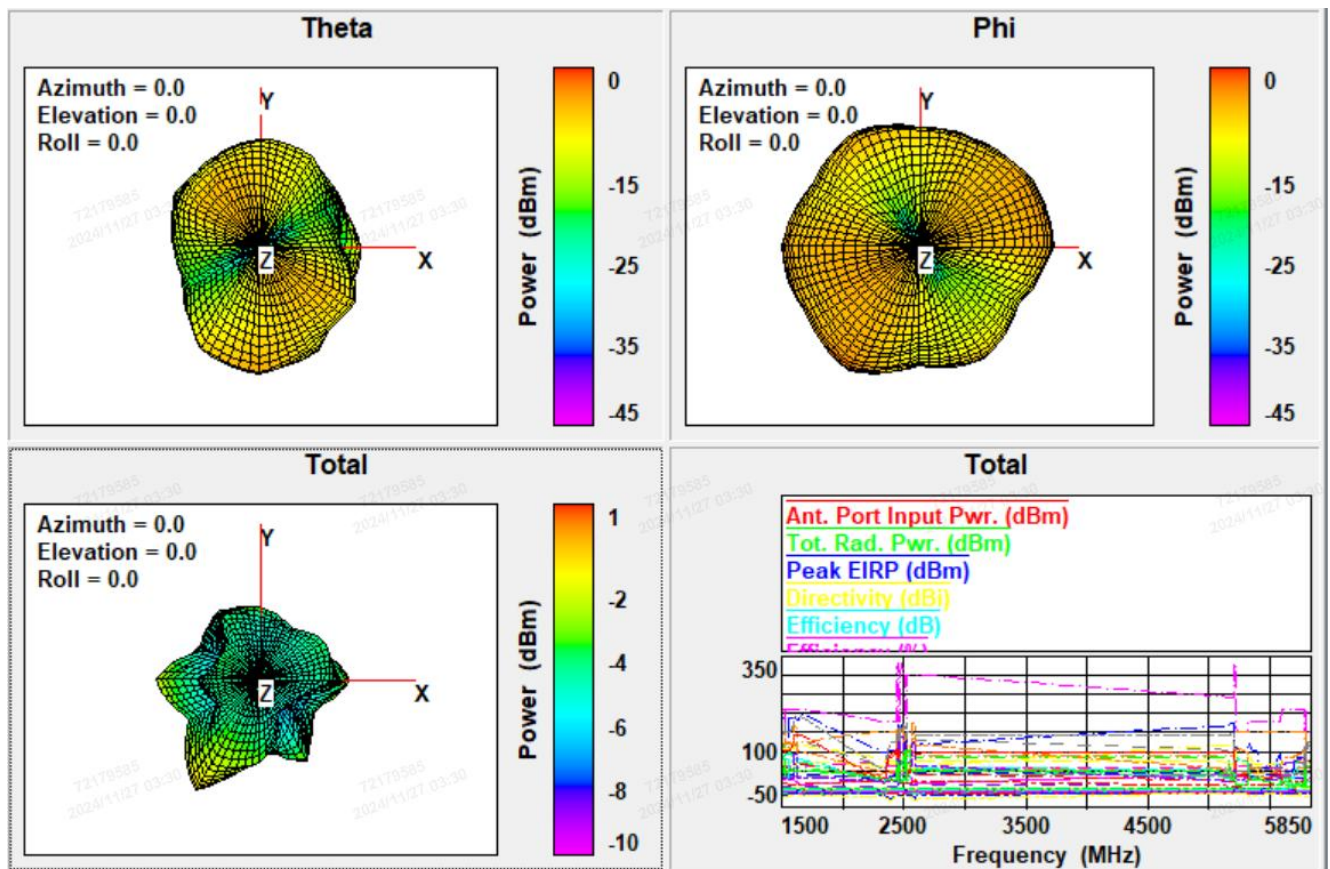
CH1570:



CH2450:



CH5200:



CH5800:

