

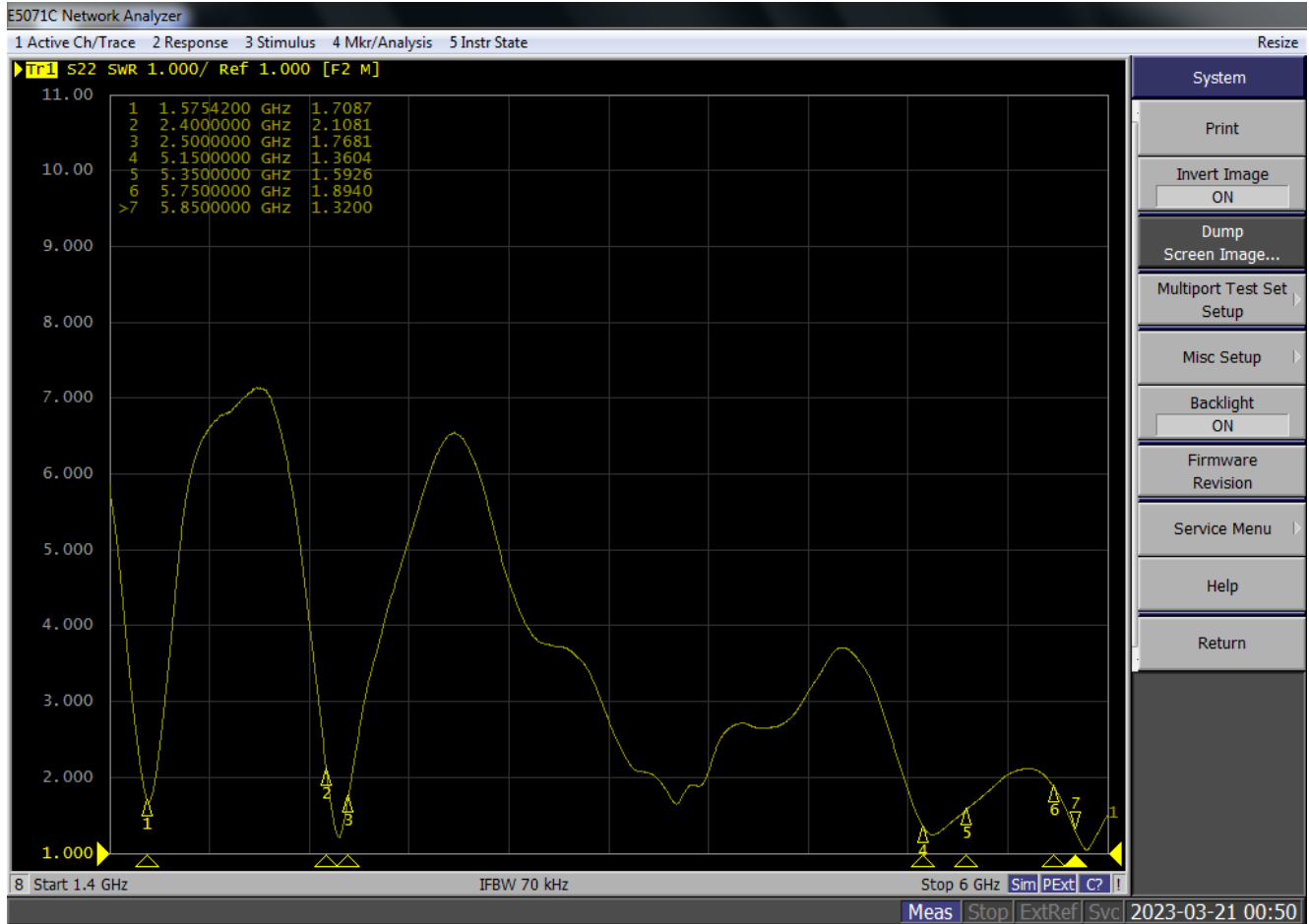
Antenna Specification

Applicant	vivo	Model	V2247
Antenna	GPS/WIFI/BT	Antenna Type	PIFA
FCC ID	2AUCY-V2247	Date	

1、Test

1.1 VSWR test

1.1.1 VSWR



ANT22# VSWR

1.2 Gain and efficiency testing

BT/wifi/GPS antenna

-Antenna Type : PIFA

-Antenna Manufacturer : Dongguan Haishun Electronic Technology Co.Ltd(Xihu Road, Shajiao Community, Humen Town, Dongguan City)

Gain value is measured by Yang songyue

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	2023/3/21

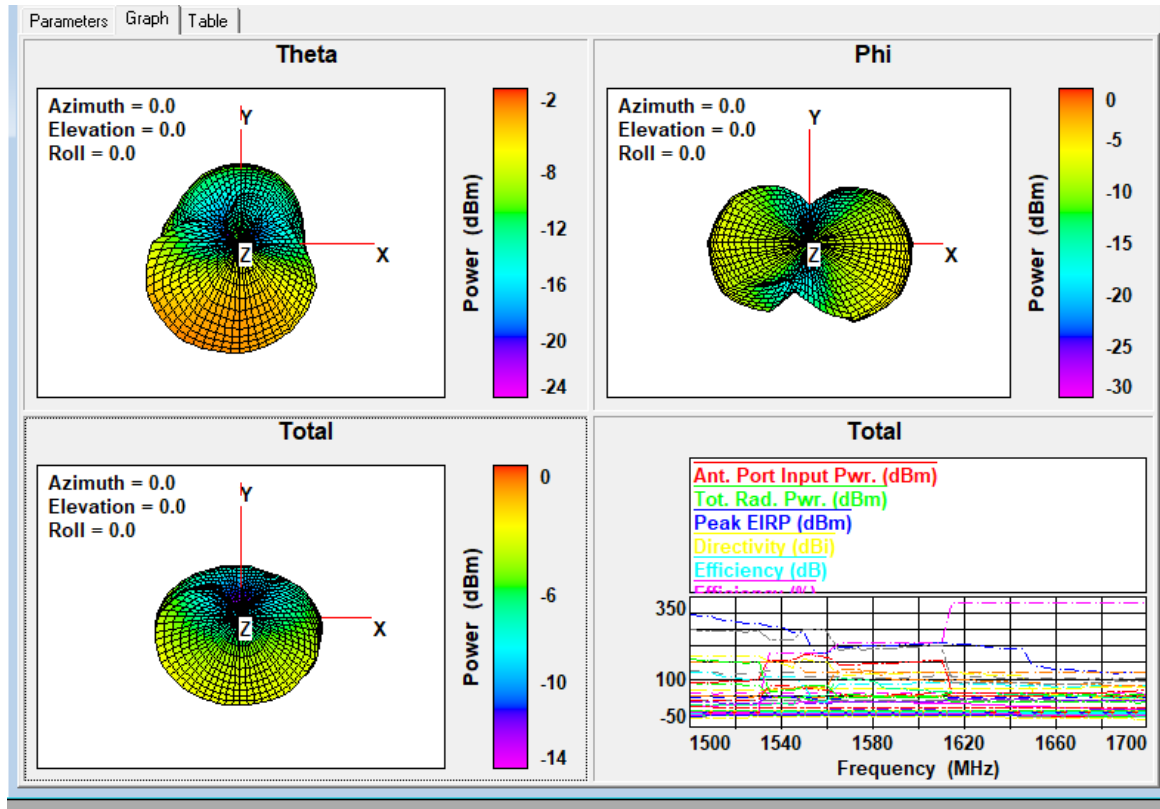
1. 2. 1 Gain

Frequency (MHz)	Gain (dBi)
1550	-2.3
1555	-2.2
1560	-2.1
1565	-1.9
1570	-1.9
1575	-1.8
1580	-1.8
1585	-1.8
1590	-1.9
1595	-2.1
1600	-2.2
1605	-2.3
1610	-2.6
1615	-2.7
1620	-2.8
1625	-3.0
1630	-3.2
1635	-3.4
1640	-3.7
1645	-3.9
1650	-4.0
2400	-3.3
2410	-3.4
2420	-3.5
2430	-3.5
2440	-3.5
2450	-3.6
2460	-3.7
2470	-3.8
2480	-3.8
2490	-3.9
2500	-4
5150	-3.4
5170	-3.2
5190	-3.3
5210	-3.3
5230	-3.2
5250	-3.2
5270	-3.3
5290	-3.6

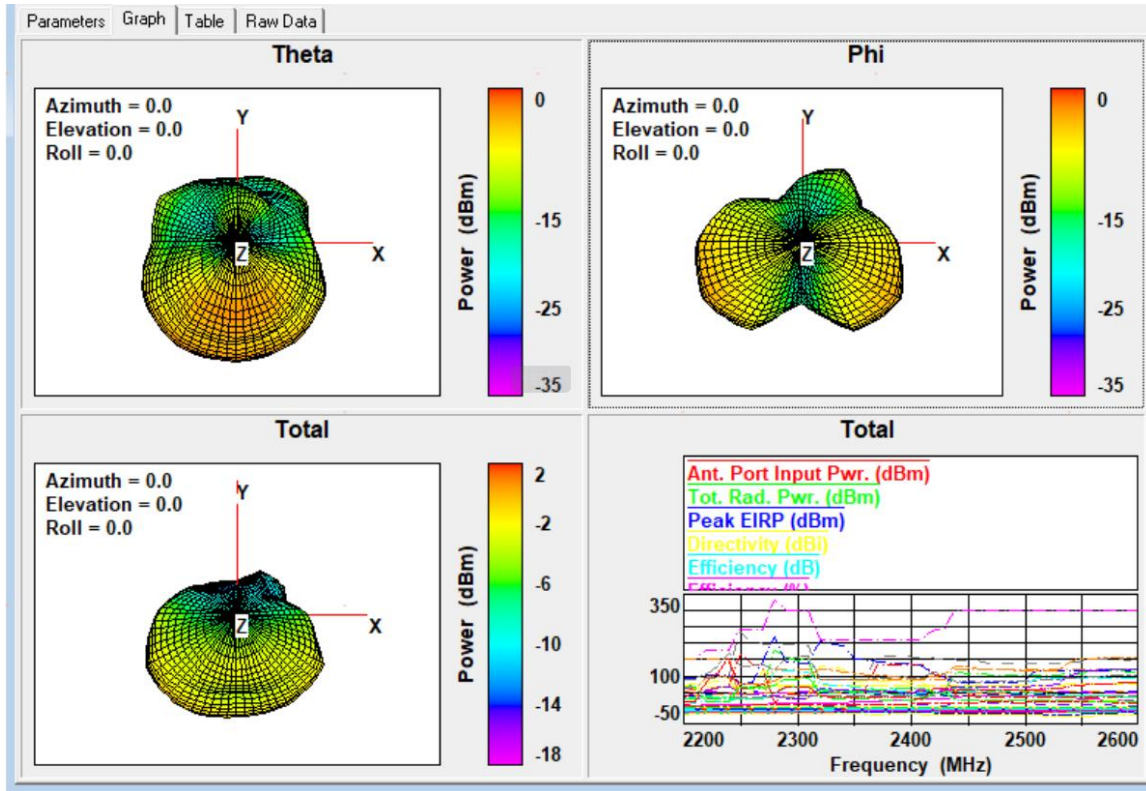
5310	-3.7
5330	-3.7
5350	-3.9
5370	-4.3
5390	-4.4
5410	-4.6
5430	-4.4
5450	-4
5470	-3.7
5490	-3.3
5510	-3.3
5530	-3.3
5550	-3.3
5570	-3.2
5590	-3.3
5610	-3.5
5630	-3.6
5650	-3.6
5670	-3.6
5690	-3.6
5710	-3.8
5730	-3.9
5750	-3.9
5770	-3.4
5790	-3.3
5810	-3.2
5830	-3.3
5850	-3.4

1.2.2 antenna radiation pattern

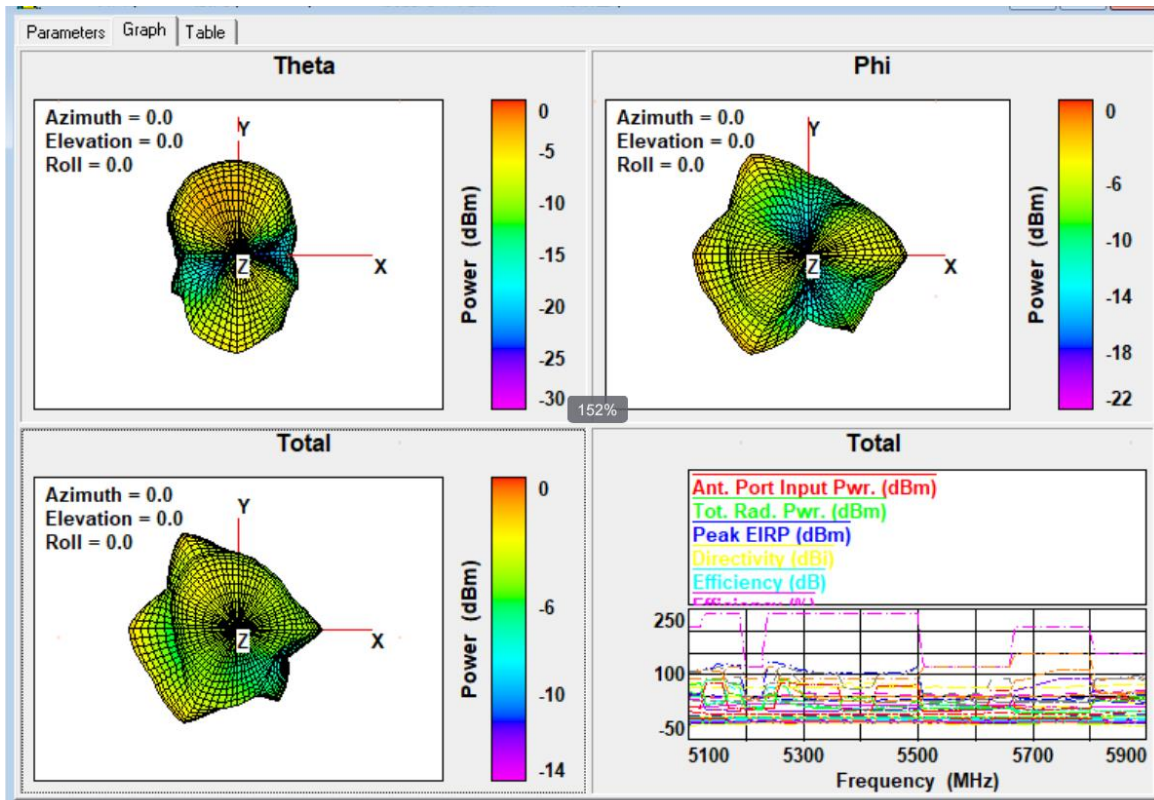
GPS 1575MHz:



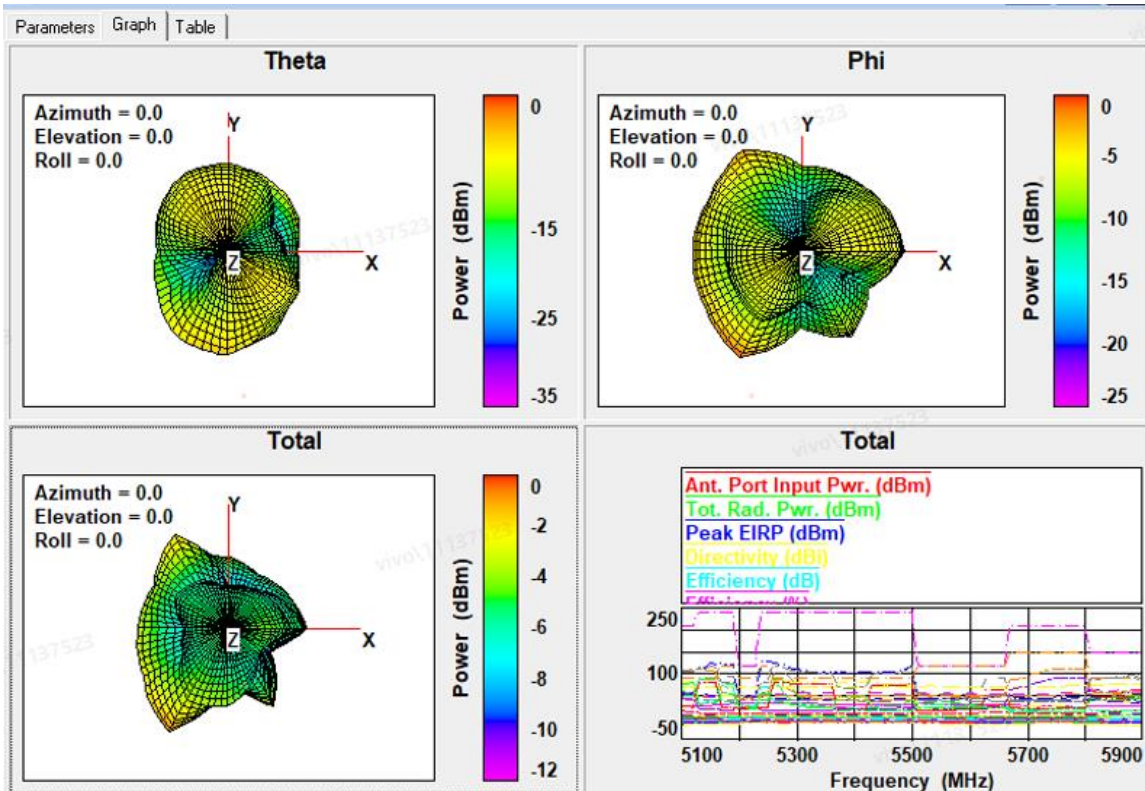
WIFI2.4G 2450MHz:



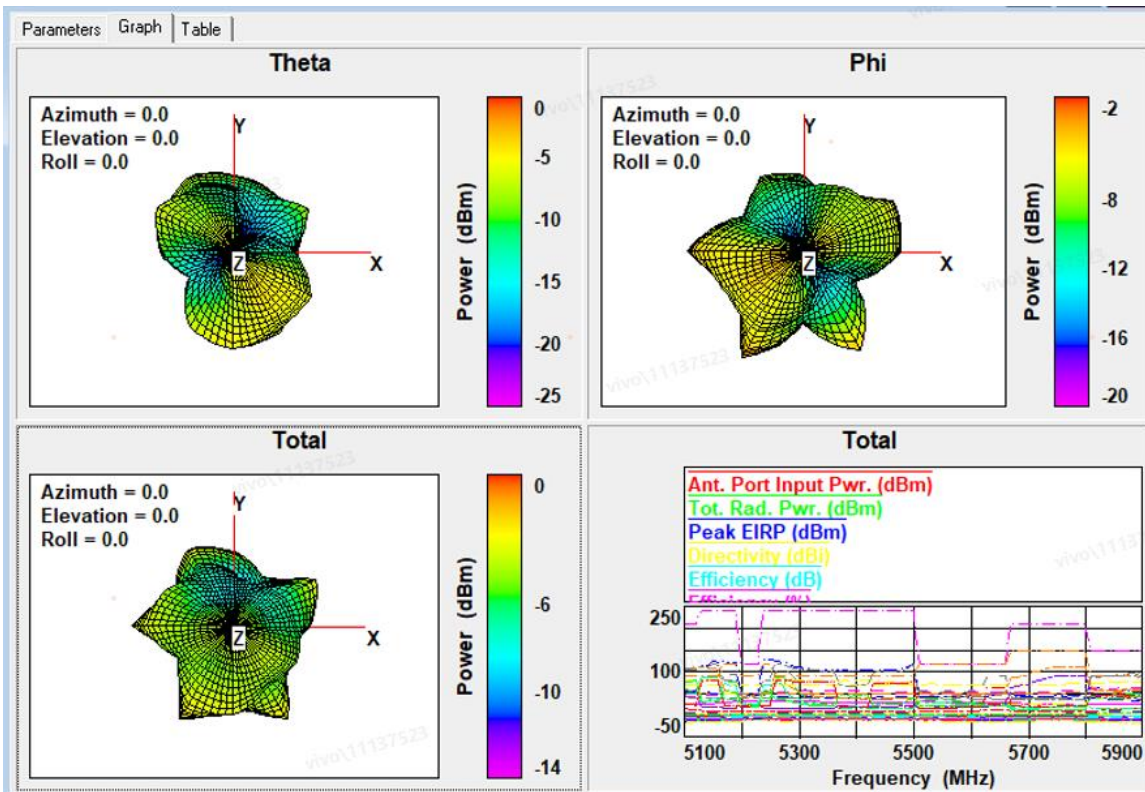
WIFI5G 5190MHz:



WIFI5G 5290MHz:



WIFI5G 5590MHz:



WIFI5G 5790MHz:

