

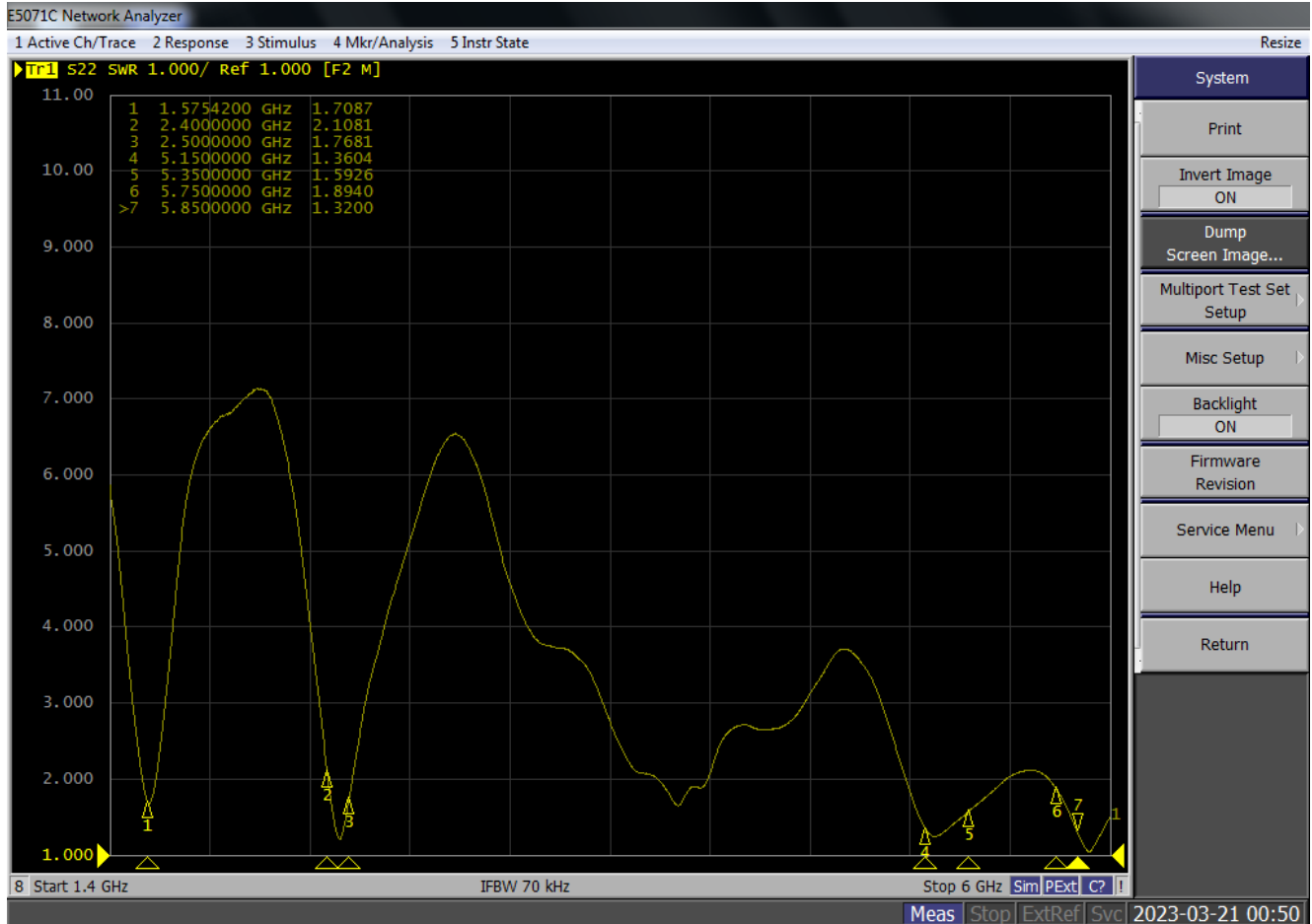
Antenna Specification

| | | | |
|-----------|-------------|-----------------|-------|
| 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 |

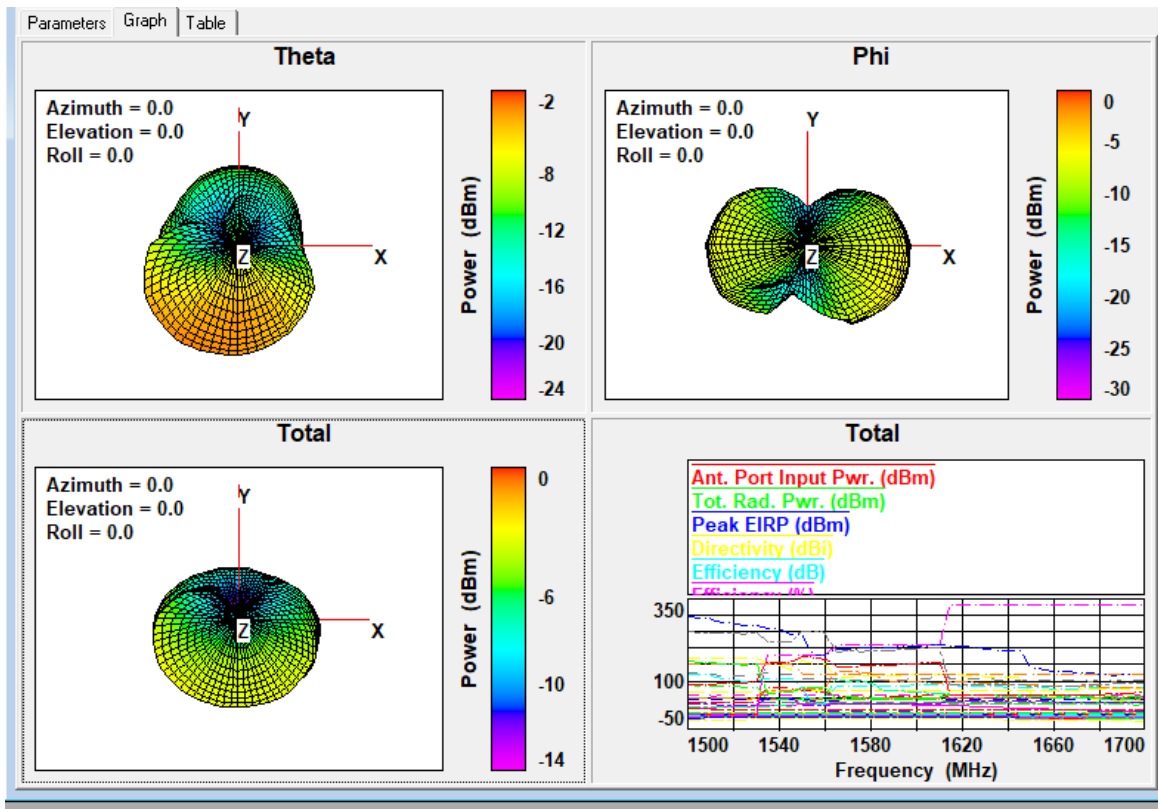
1. 2. 1 Gain

| 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 |

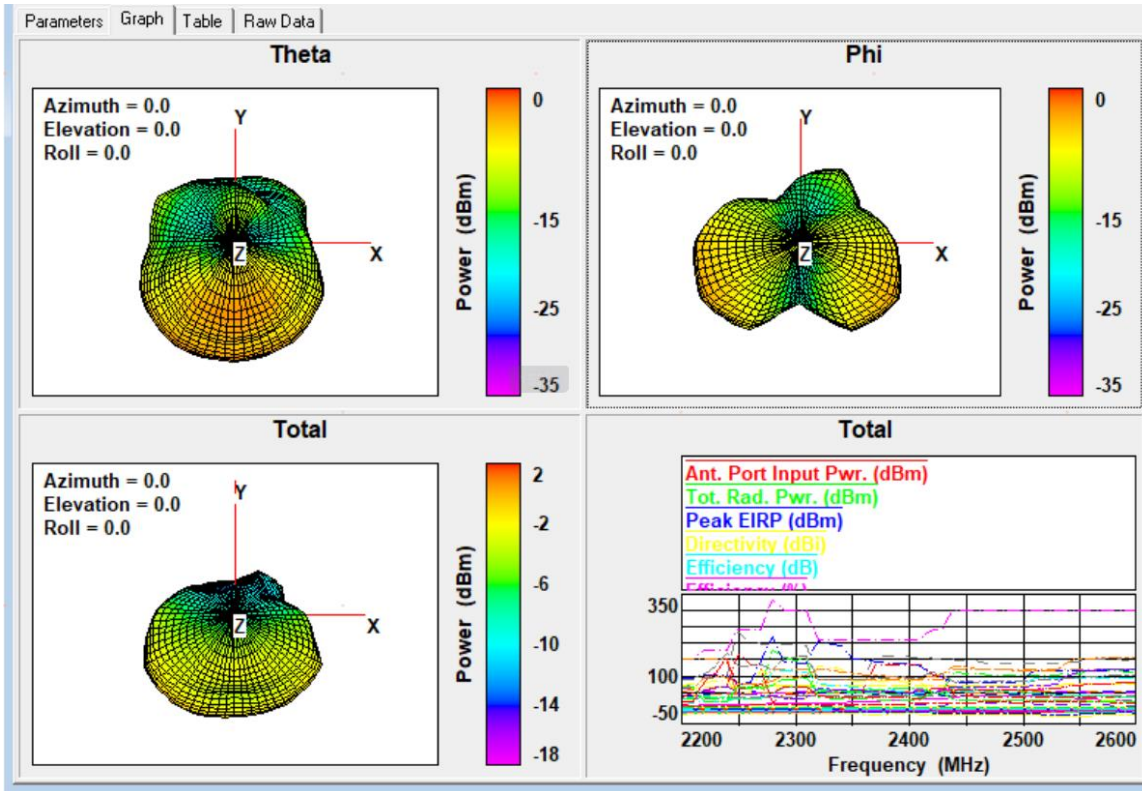
| | |
|------|------|
| 5310 | -3.7 |
| 5330 | -3.7 |
| 5350 | -3.9 |
| 5370 | -4.3 |
| 5390 | -4.4 |
| 5410 | -4.6 |
| 5430 | -4.4 |
| 5450 | -4 |
| 5470 | -3.7 |
| 5490 | -3.3 |
| 5510 | -3.3 |
| 5530 | -3.3 |
| 5550 | -3.3 |
| 5570 | -3.2 |
| 5590 | -3.3 |
| 5610 | -3.5 |
| 5630 | -3.6 |
| 5650 | -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

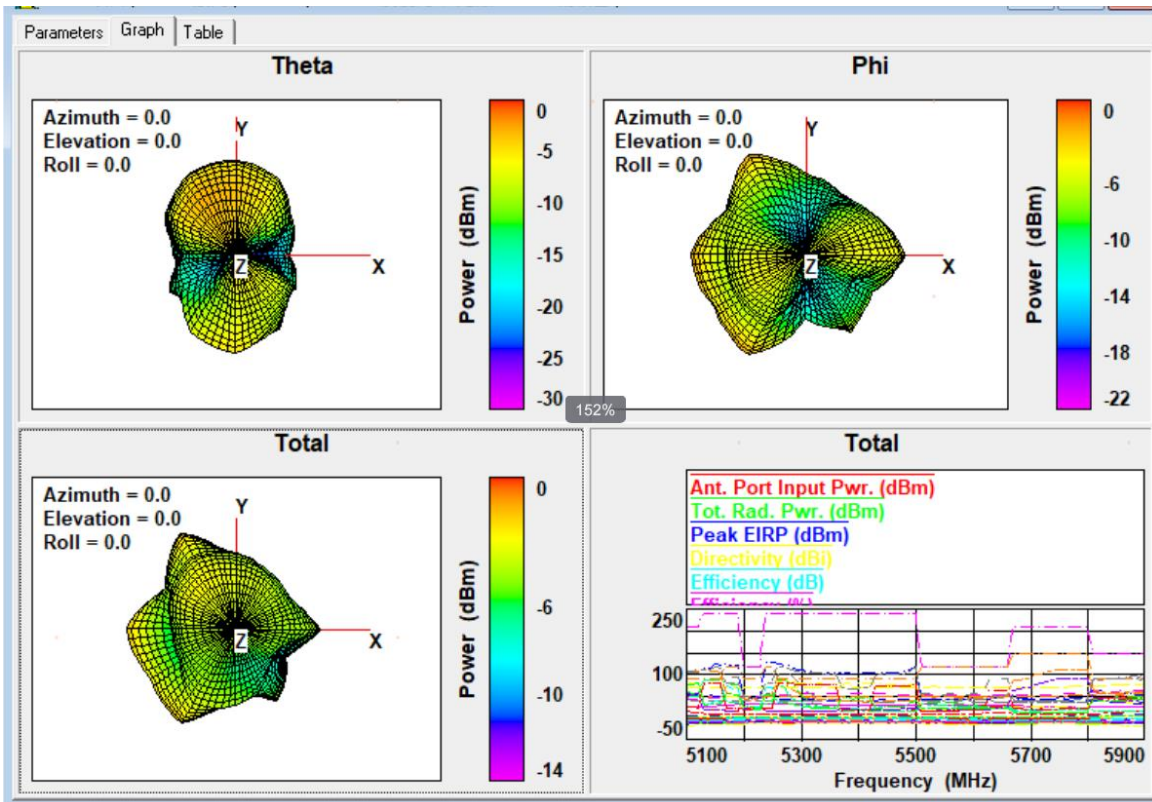
GPS 1575MHz:



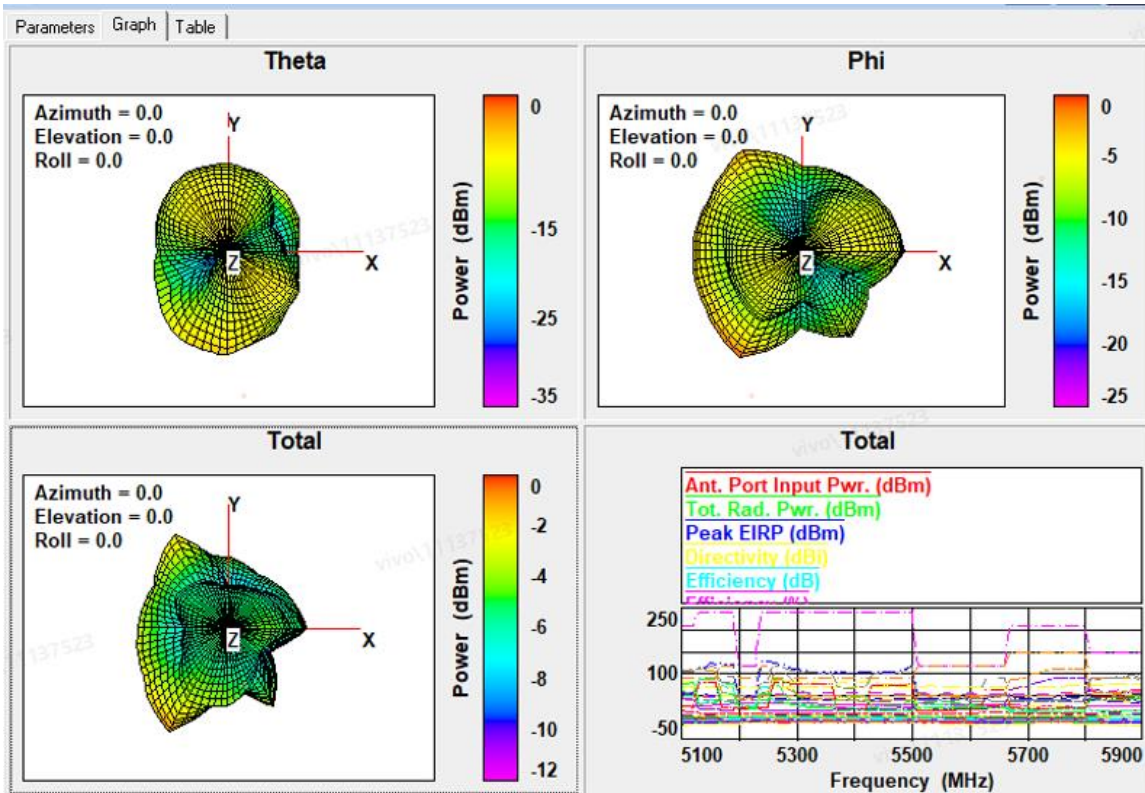
WiFi2.4G 2450MHz:



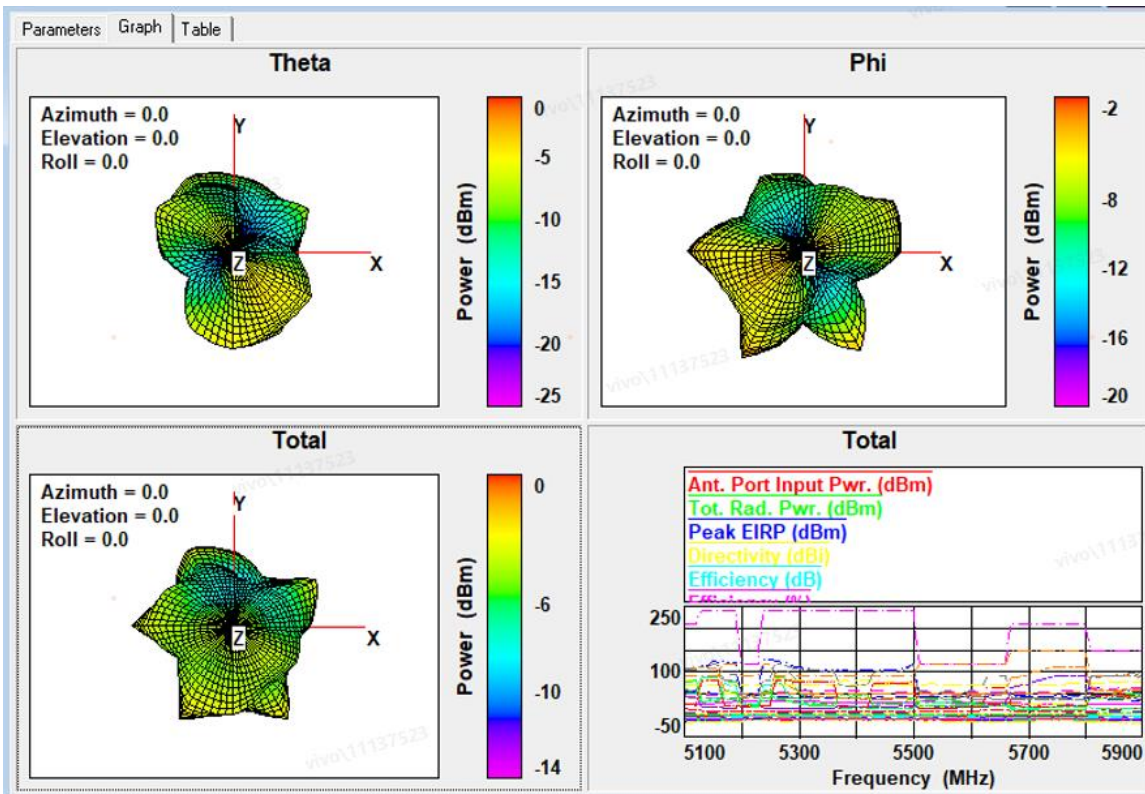
WiFi5G 5190MHz:



WiFi5G 5290MHz:



WiFi5G 5590MHz:



WiFi5G 5790MHz:

