

# Antenna specification

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**Customer Name:** Early Light Industrial Co., Ltd.

**Part Number:** 701-1261R0A-G01  
M02-0200010R0A

**Project Name:** WIFI 2.4G&5G

**Company Name:** Shenzhen MyAntenna Technology Co., Ltd.

**Address:** 410, Building A, Fenghuang Zhigu, No. 50  
Tiezai Road, Gongle Community, Xixiang Street,  
Bao'an District, Shenzhen City, Guangdong Province.

**Author:** Yang Yongcheng

**Update:** 2026-05-14

## Overview

| Items     | Details                         |
|-----------|---------------------------------|
| FREQUENCY | 2400MHz-2500MHz;5100MHz-5900MHz |
|           |                                 |
|           |                                 |
|           |                                 |
|           |                                 |
|           |                                 |
|           |                                 |
|           |                                 |

## Revision History

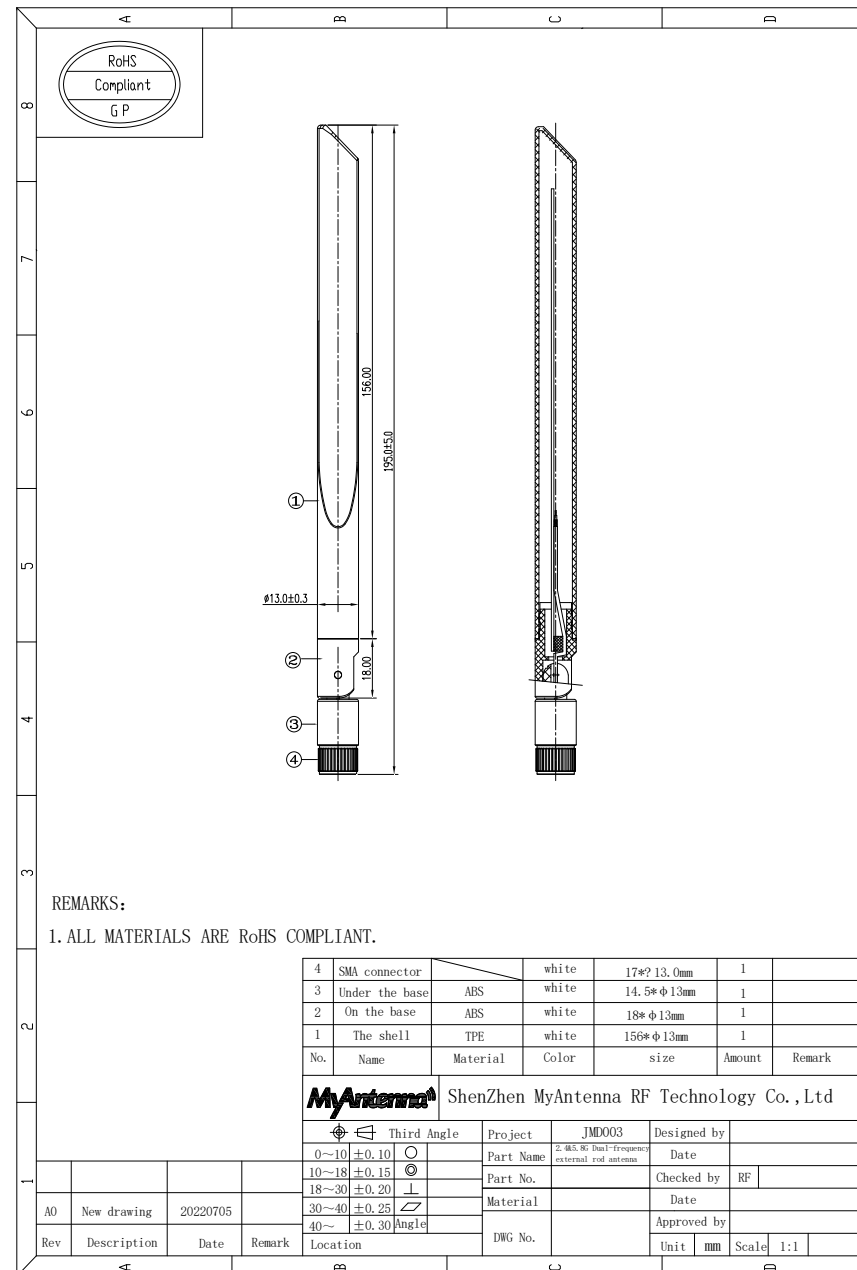
| Date       | Revision | Author         | Description of changes |
|------------|----------|----------------|------------------------|
| 2026-05-14 | A        | Yang Yongcheng | Antenna specification  |
|            |          |                |                        |
|            |          |                |                        |
|            |          |                |                        |
|            |          |                |                        |
|            |          |                |                        |

## Test Item & Equipment

| List           | Test Item                 | Equipment      |             |
|----------------|---------------------------|----------------|-------------|
| 1.S Parameter  | VSWR, Return Loss         | Agilent VNA    |             |
| 2.Active Test  | TRP, TIS                  | Agilent 8960   | RayZone2800 |
| 3.Passive Test | Gain, Efficiency, Pattern | Agilent E5071C |             |

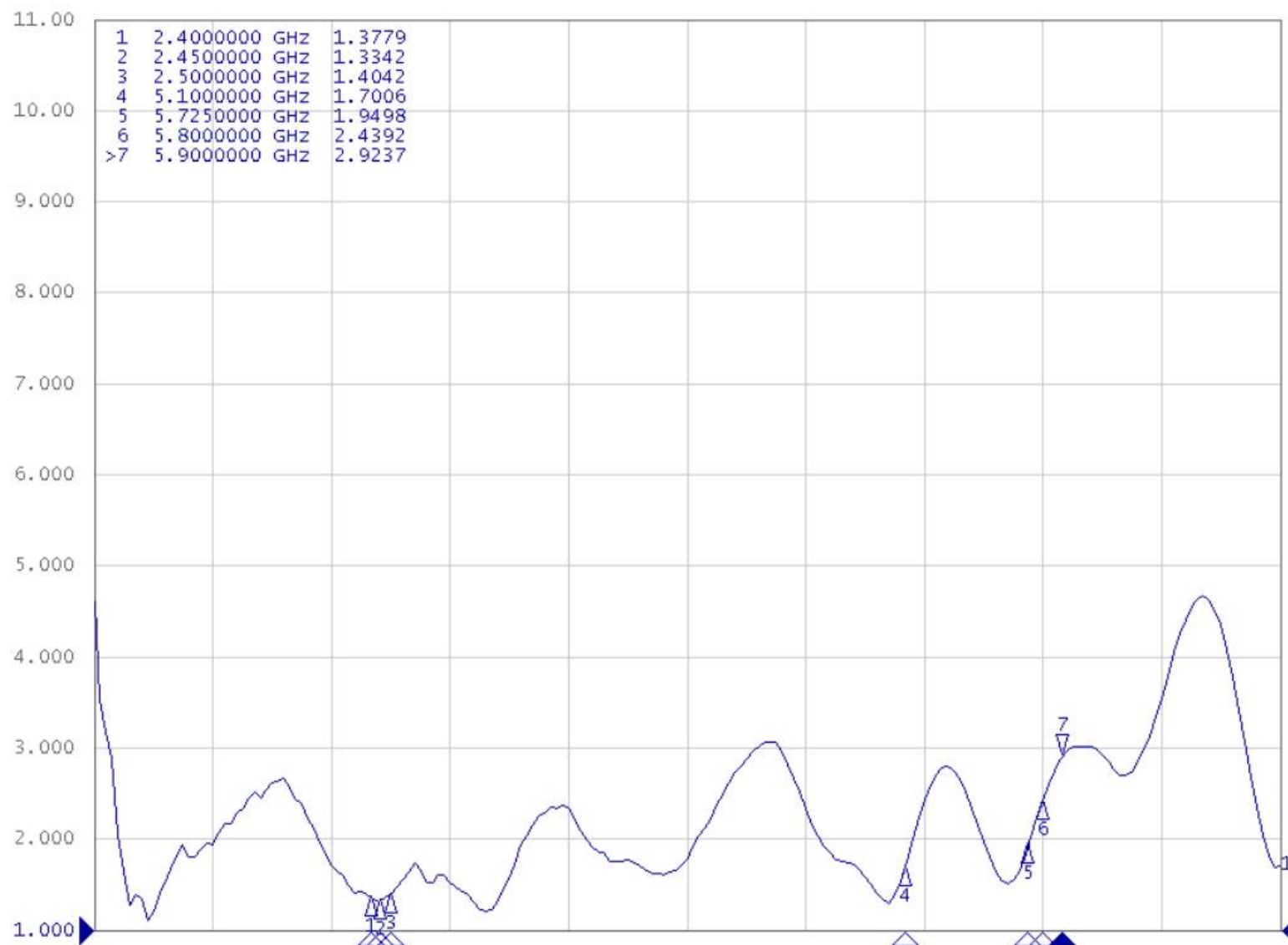


# Antenna



2026-5-14

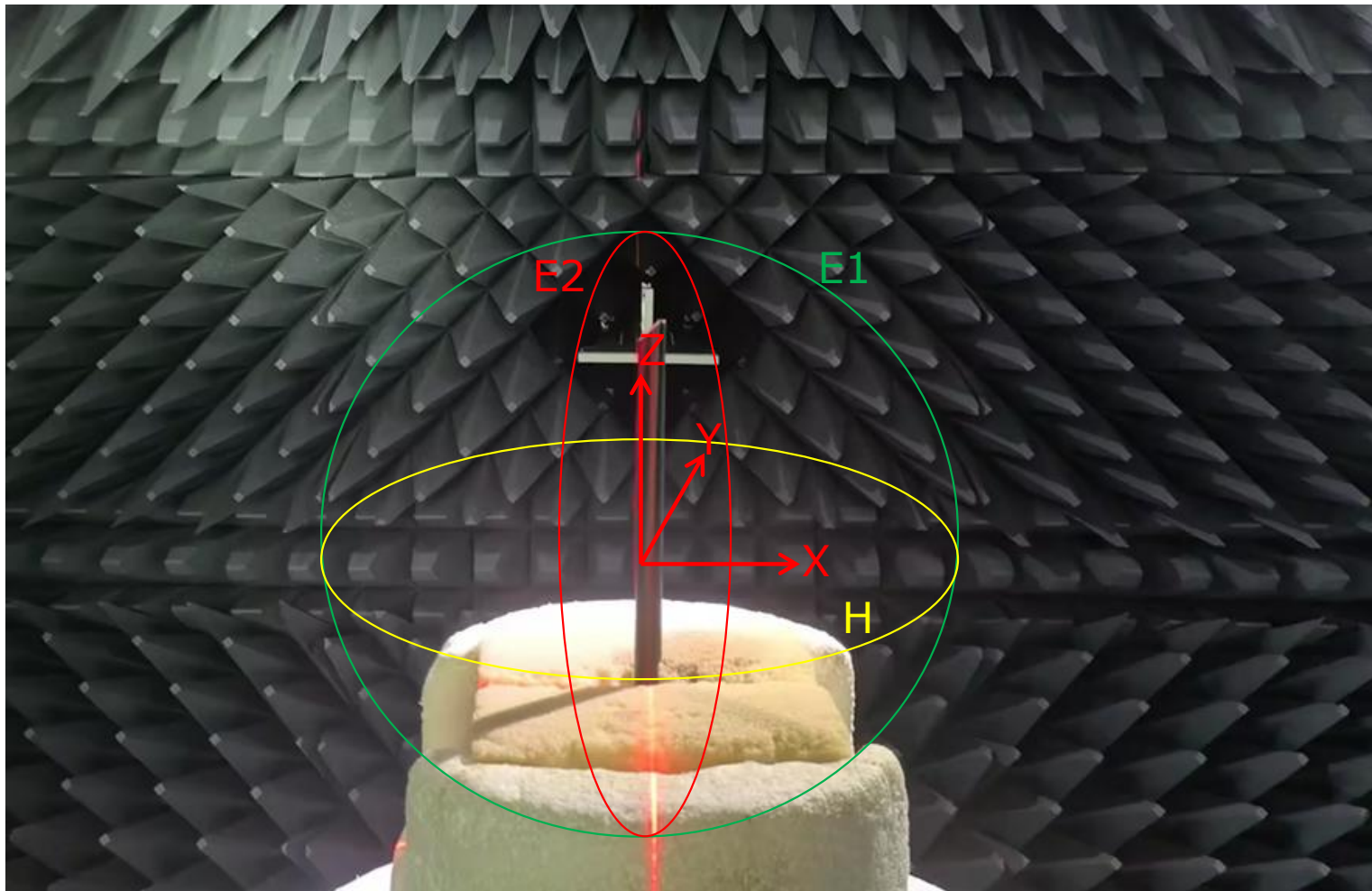
# VSWR



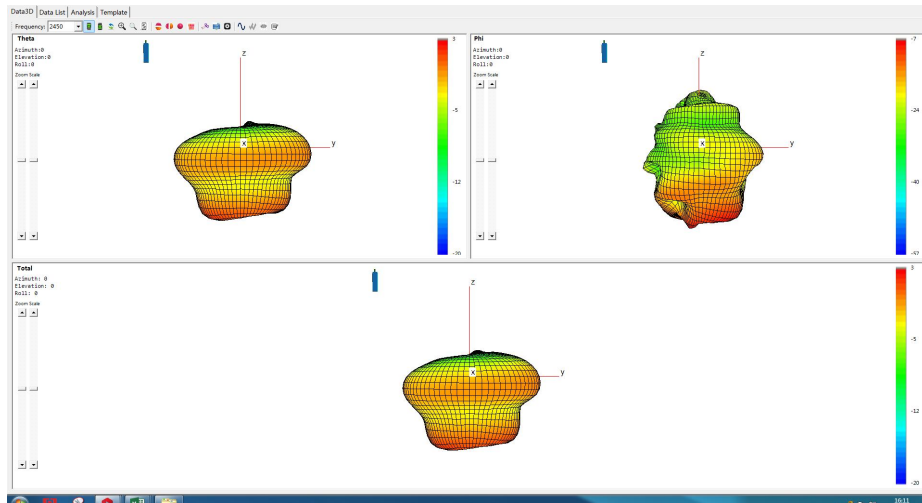
## Antenna Passive Data:

| Freq (MHz) | Gain(dBi) | Efficiency(%) | Freq (MHz) | Gain(dBi) | Efficiency(%) | Freq (MHz) | Gain(dBi) | Efficiency(%) |
|------------|-----------|---------------|------------|-----------|---------------|------------|-----------|---------------|
| 2400       | 1.76      | 55.89         | 5300       | 1.56      | 55.81         | 5610       | 2.15      | 57.61         |
| 2410       | 2.27      | 59.91         | 5310       | 1.39      | 53.68         | 5620       | 2.47      | 63.82         |
| 2420       | 2.20      | 58.43         | 5320       | 1.31      | 53.49         | 5630       | 2.52      | 68.57         |
| 2430       | 2.22      | 57.48         | 5330       | 1.30      | 54.11         | 5640       | 2.86      | 71.73         |
| 2440       | 2.16      | 55.07         | 5340       | 1.08      | 52.74         | 5650       | 2.96      | 73.39         |
| 2450       | 2.27      | 53.46         | 5350       | 1.17      | 55.82         | 5660       | 3.10      | 75.50         |
| 2460       | 2.62      | 54.44         | 5360       | 1.13      | 55.23         | 5670       | 3.38      | 79.87         |
| 2470       | 3.02      | 56.30         | 5370       | 0.98      | 53.77         | 5680       | 3.20      | 76.61         |
| 2480       | 3.26      | 56.06         | 5380       | 0.99      | 53.26         | 5690       | 3.04      | 73.70         |
| 2490       | 3.51      | 55.91         | 5390       | 1.02      | 52.35         | 5700       | 2.78      | 69.20         |
| 2500       | 3.74      | 56.18         | 5400       | 1.09      | 52.47         | 5710       | 2.93      | 71.40         |
| 5100       | 1.52      | 58.85         | 5410       | 1.43      | 55.10         | 5720       | 2.88      | 74.29         |
| 5110       | 1.63      | 59.28         | 5420       | 1.23      | 50.84         | 5730       | 2.66      | 72.18         |
| 5120       | 1.63      | 59.78         | 5430       | 1.21      | 48.13         | 5740       | 2.39      | 67.57         |
| 5130       | 1.37      | 58.64         | 5440       | 1.25      | 49.02         | 5750       | 2.28      | 66.50         |
| 5140       | 1.34      | 59.93         | 5450       | 1.35      | 50.23         | 5760       | 2.45      | 68.54         |
| 5150       | 1.22      | 58.23         | 5460       | 1.26      | 47.68         | 5770       | 2.41      | 66.29         |
| 5160       | 0.84      | 54.84         | 5470       | 1.88      | 54.03         | 5780       | 2.10      | 63.79         |
| 5170       | 0.98      | 57.06         | 5480       | 1.98      | 54.83         | 5790       | 1.84      | 59.53         |
| 5180       | 1.05      | 57.59         | 5490       | 1.82      | 51.31         | 5800       | 1.90      | 59.49         |
| 5190       | 1.12      | 58.15         | 5500       | 1.89      | 52.89         | 5810       | 2.18      | 64.85         |
| 5200       | 1.46      | 62.47         | 5510       | 1.69      | 51.93         | 5820       | 2.44      | 67.35         |
| 5210       | 1.41      | 60.78         | 5520       | 1.76      | 51.87         | 5830       | 2.51      | 67.83         |
| 5220       | 1.10      | 57.15         | 5530       | 1.99      | 52.25         | 5840       | 2.74      | 70.55         |
| 5230       | 1.22      | 58.73         | 5540       | 1.95      | 50.31         | 5850       | 2.46      | 65.82         |
| 5240       | 1.13      | 56.89         | 5550       | 2.12      | 52.77         | 5860       | 2.43      | 65.46         |
| 5250       | 1.20      | 56.51         | 5560       | 2.31      | 56.73         | 5870       | 2.68      | 68.13         |
| 5260       | 1.53      | 57.49         | 5570       | 2.19      | 56.85         | 5880       | 2.33      | 63.78         |
| 5270       | 1.12      | 51.55         | 5580       | 2.07      | 57.72         | 5890       | 2.34      | 64.44         |
| 5280       | 1.37      | 54.29         | 5590       | 2.41      | 61.24         | 5900       | 1.68      | 56.39         |
| 5290       | 1.59      | 56.37         | 5600       | 2.49      | 61.48         |            |           |               |

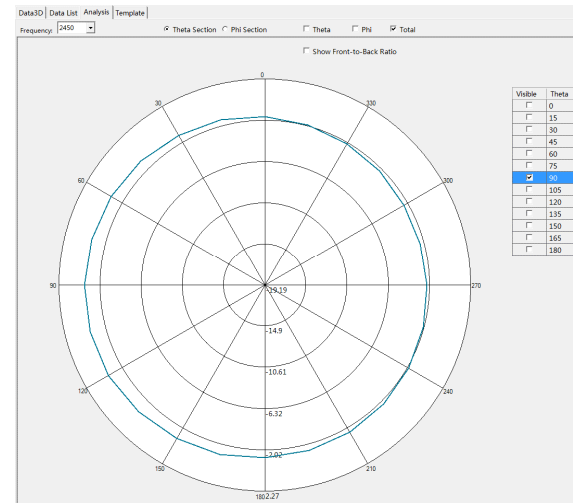
## Anechoic Chamber Test Coordinate Diagram



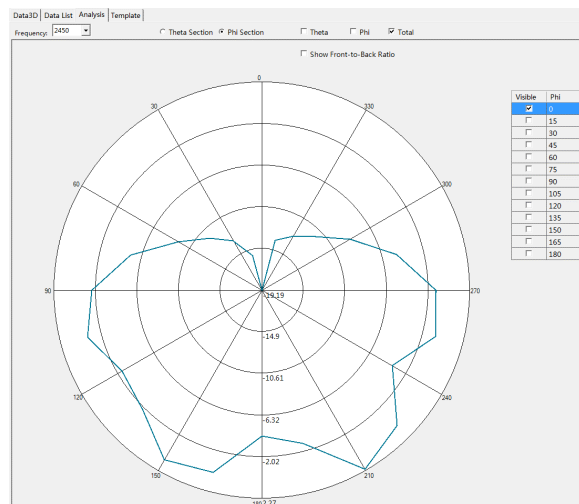
# Antenna 2D/3D Radiation Pattern (2450 MHz)



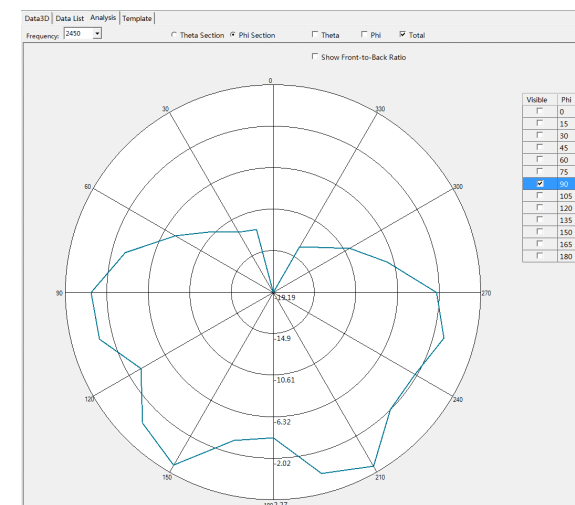
3D



H

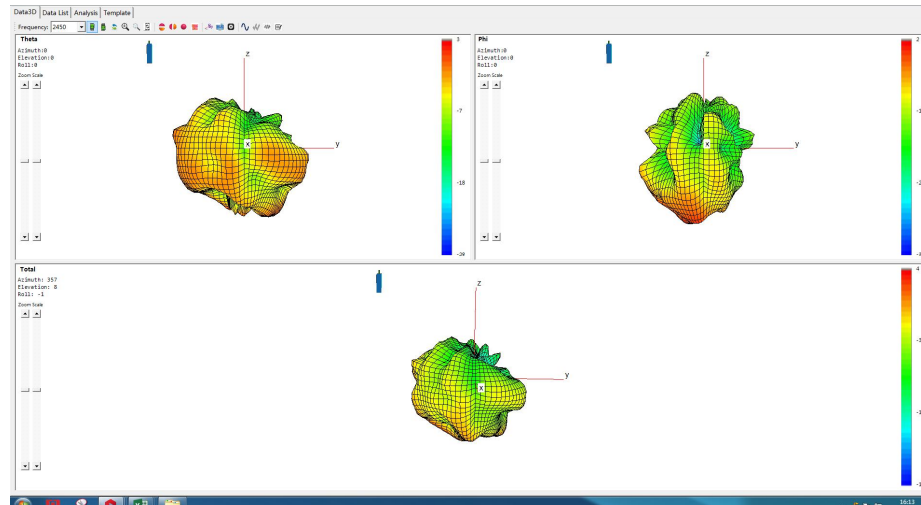


E1

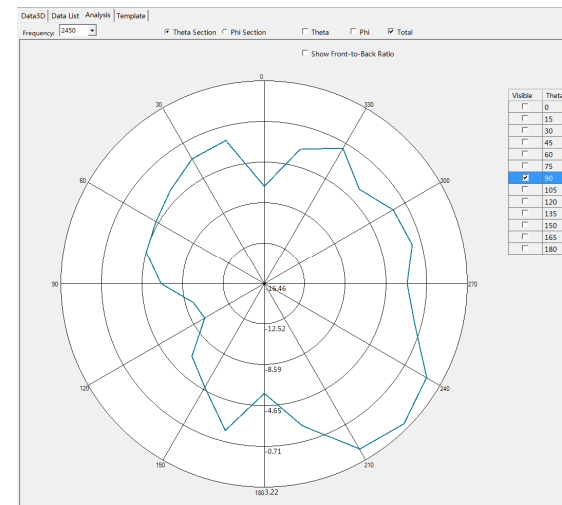


E2

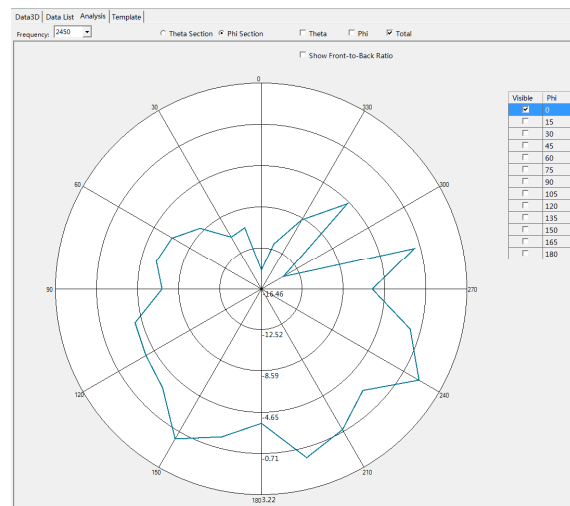
# Antenna 2D/3D Radiation Pattern (5500 MHz)



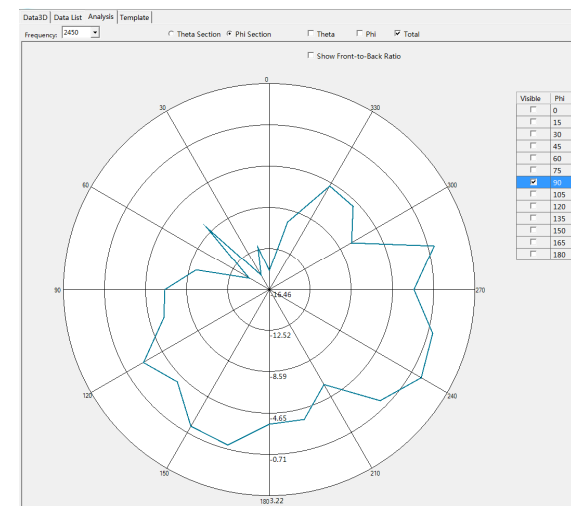
3D



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E1



E2