

# Antenna Test Report

**APPLICANT** : Motorola Mobility LLC

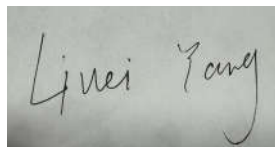
**EQUIPMENT** : Mobile Cellular Phone

**BRAND NAME** : Motorola

**MODEL NAME** : Paros

**ANTENNA VENDOR:** SPEED(Room 10108, West of Modern Enterprise Center, 26  
Gazelle Road, Yanta District, Xi 'an City) and  
WTT(Xito, 1st Floor, Building A11, Phase 2, Software  
New City, Yanta District, Xi 'an (Xi 'an Branch))

**Signature :**

A rectangular box containing a handwritten signature in black ink. The signature appears to read "Linwei Yang".

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### 1 Antenna Summary Table

| Check items              | Information                                                                                                                                                                                                                                                                                   |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Provided by lab          | Motorola internal lab (GTS)                                                                                                                                                                                                                                                                   |
| Manufacturer/ Brand name | Speed&WTT                                                                                                                                                                                                                                                                                     |
| Test software            | MaxSign Libra                                                                                                                                                                                                                                                                                 |
| Antenna detail info.     | ANT5: WiFi5G /6E (5.15~7.125GHz), Monopole type antenna.<br>ANT6: GPS L5+WiFi 2.4G (2.4~2.5GHz)+BT, IFA type<br>ANT8: WIFI 2.4G/5G/6E+BT (2.4~2.5GHz, 5.15~7.125GHz), IFA type<br>NFC Antenna: Differential port to excite FPC coil + Ferrite sheet with dimension 29.44 mm *39.74mm * 0.23mm |
| Antenna gain test data   | Included antenna frequency, gain pattern                                                                                                                                                                                                                                                      |

**Note: Antenna gain was measured in the anechoic chamber, 3D scan was exercised, and the highest numbers are reported in this document.**

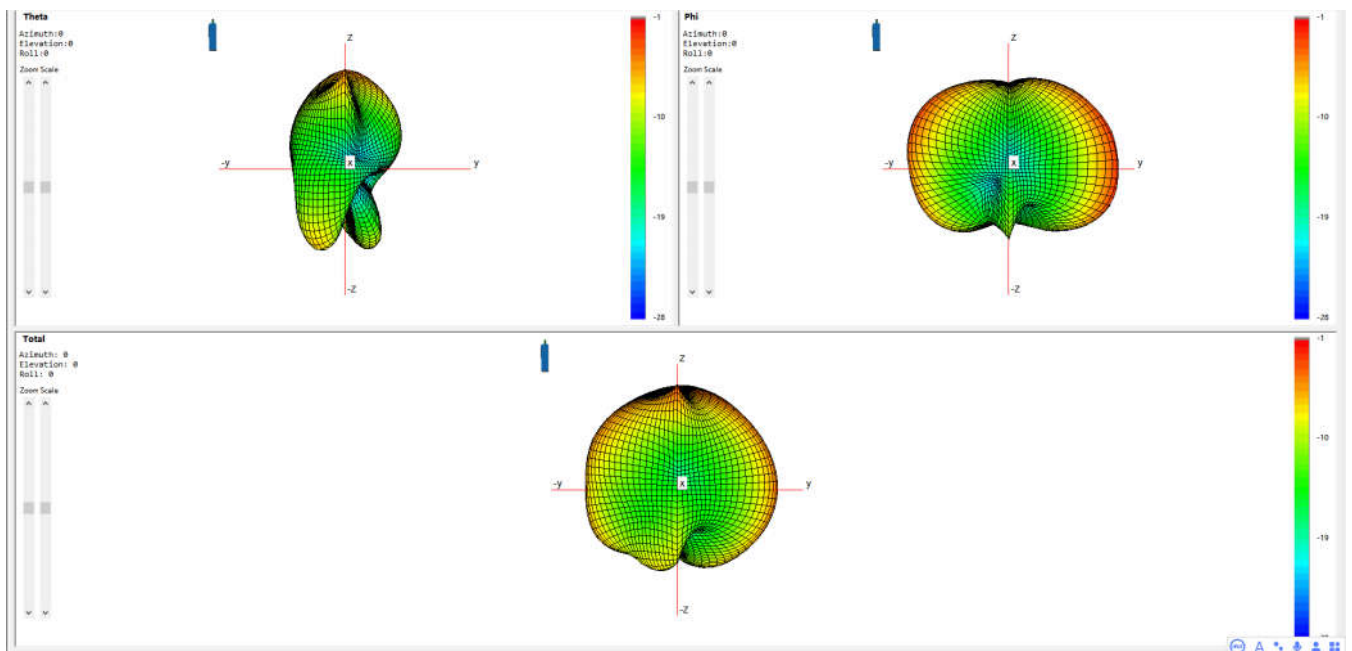
| Test Equipment | calibrate        | Due date         | Remark           |
|----------------|------------------|------------------|------------------|
| GTS2800        | On May 24th,2024 | On May 23th,2025 | NA               |
| ETS            | On May 30th,2024 | On May 29th,2025 | NA               |
| E5071C         | On May 24th,2024 | On May 24th,2025 | network naalyzer |

## 2 TX Antenna Peak Gain

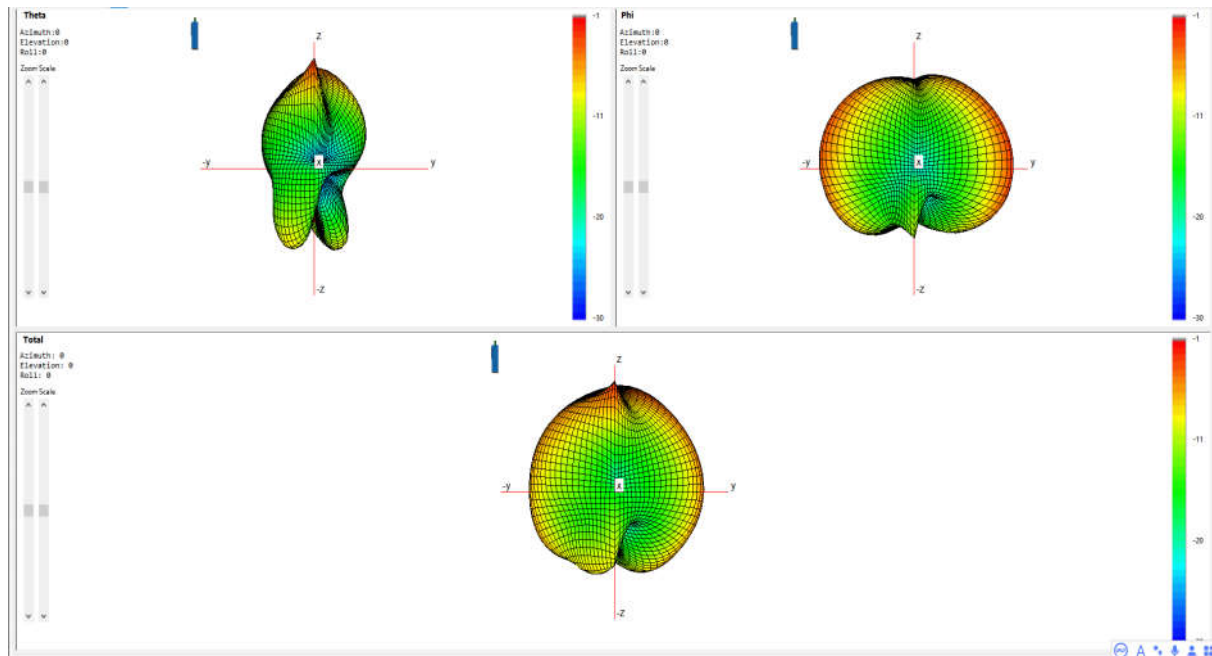
| Test / Position | Free Space   |                      |       |       |       |
|-----------------|--------------|----------------------|-------|-------|-------|
| bands           | Frequency    | TX Antenna Peak Gain |       |       |       |
|                 |              | Ant 5                | Ant 6 | Ant 7 | Ant 8 |
| BT              | 2402-2480MHz |                      | -3.93 |       | -4.4  |
| WiFi 2.4G       | 2410-2477MHz |                      | -3.93 |       | -4.4  |
| WiFi 5G W52     | 5180-5240MHz | -4.38                |       |       | -4.5  |
| WiFi 5G W53     | 5260-5320MHz | -5                   |       |       | -4.9  |
| WiFi 5G W56     | 5500-5700MHz | -4.77                |       |       | -4.9  |
| WiFi 5G 5.8G    | 5725-5850MHz | -4.85                |       |       | -5.2  |
| WiFi 6G         | 6100MHz      | -5.47                |       |       | -4.68 |
| WiFi 6G         | 6500MHz      | -3.78                |       |       | -4.4  |
| WiFi 6G         | 6700MHz      | -4.3                 |       |       | -3.7  |
| WiFi 6G         | 7000MHz      | -4.85                |       |       | -4.3  |

## 1. Gain Plots

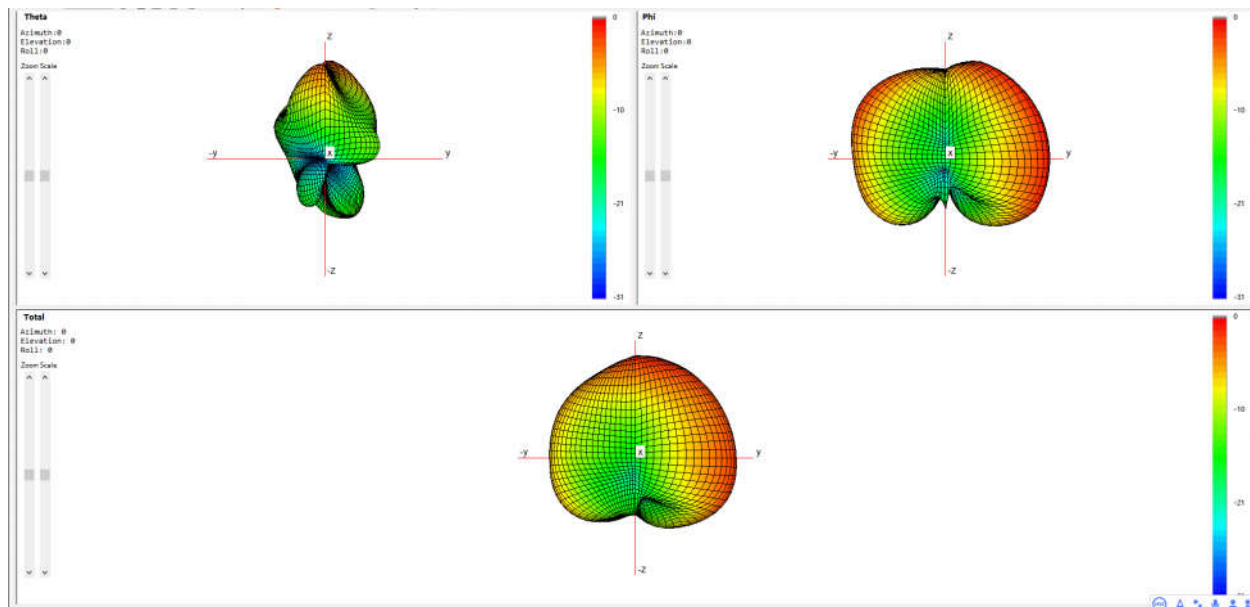
### ANT5



Wifi CHAIN0 5g w52

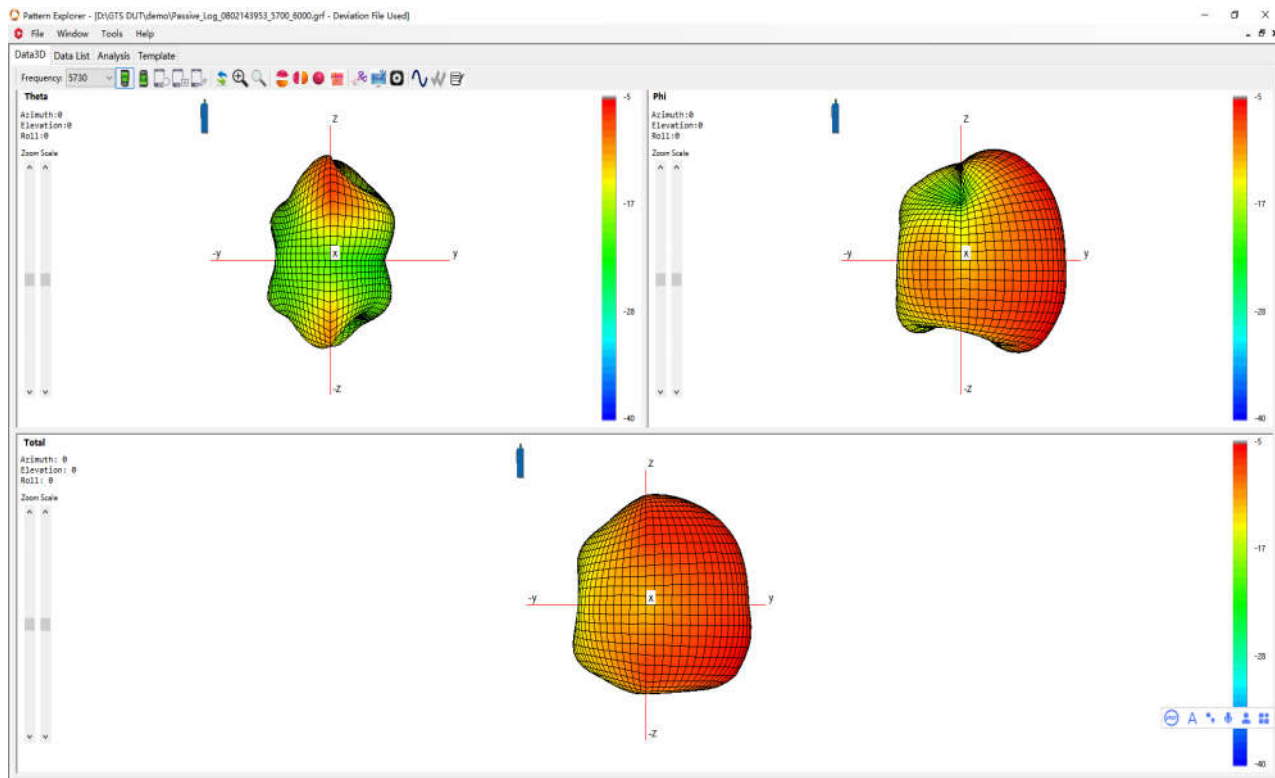


Wifi CHAIN0 5g w53

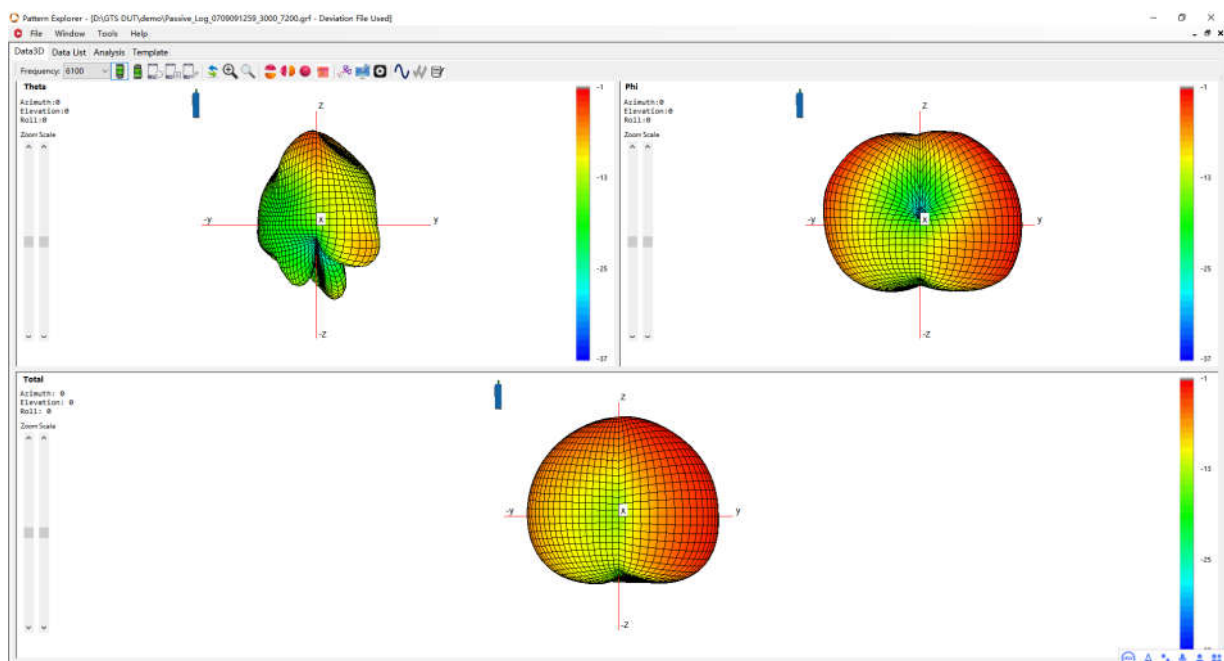


Wifi CHAIN0 5g w56

## Antenna Report

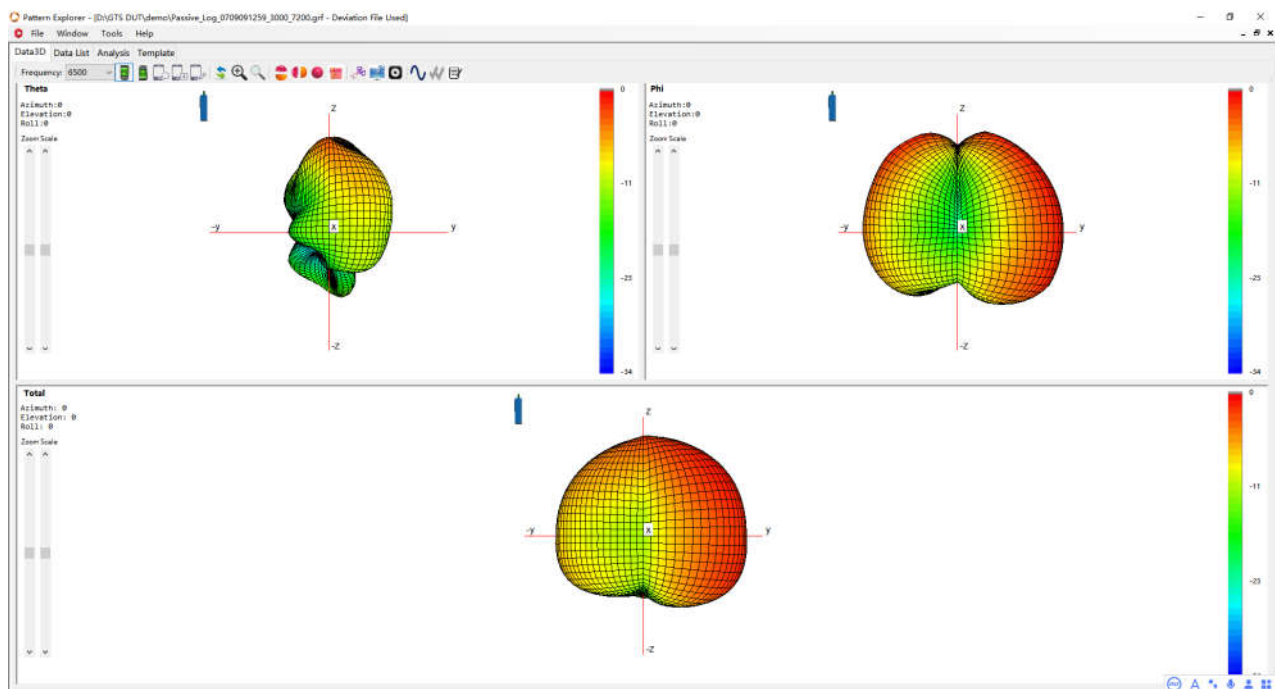


**Wifi CHAIN0 5g 5.8G**

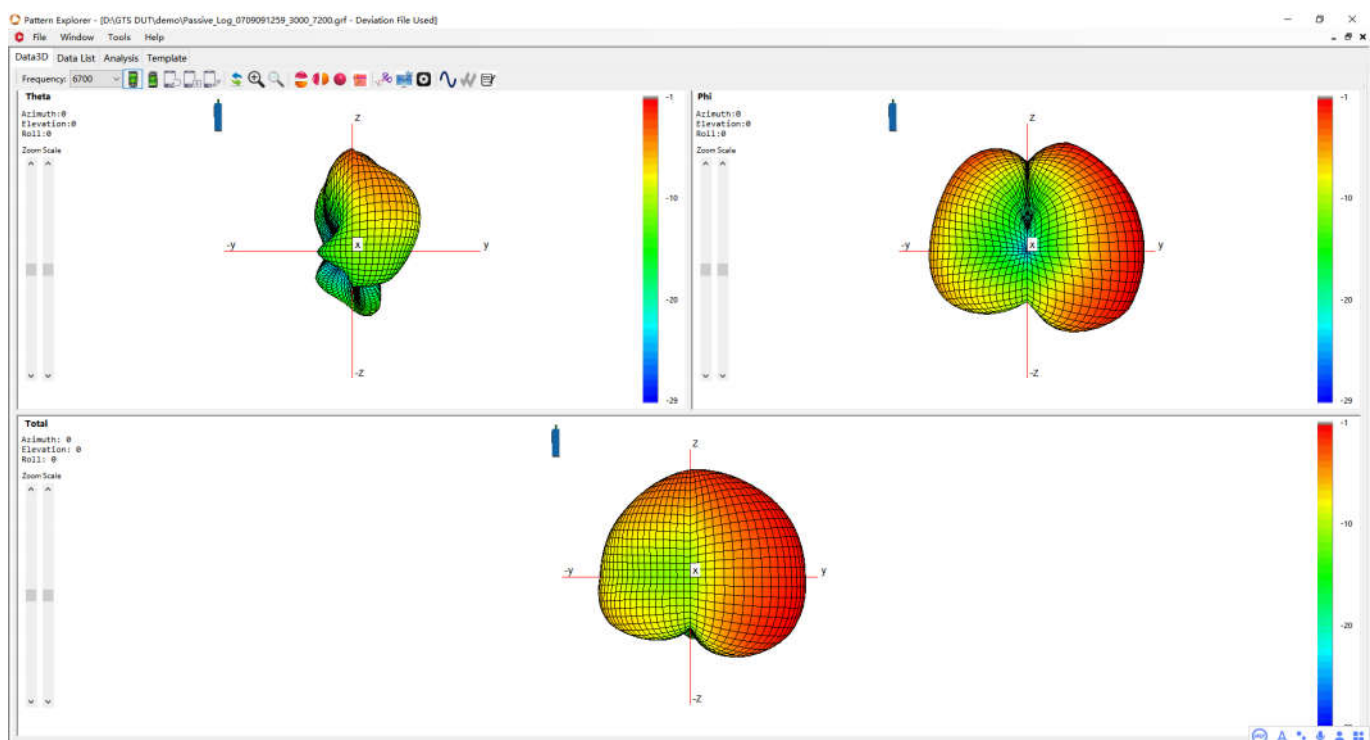


**Wifi CHAIN0 6g 6100MHZ**

## Antenna Report

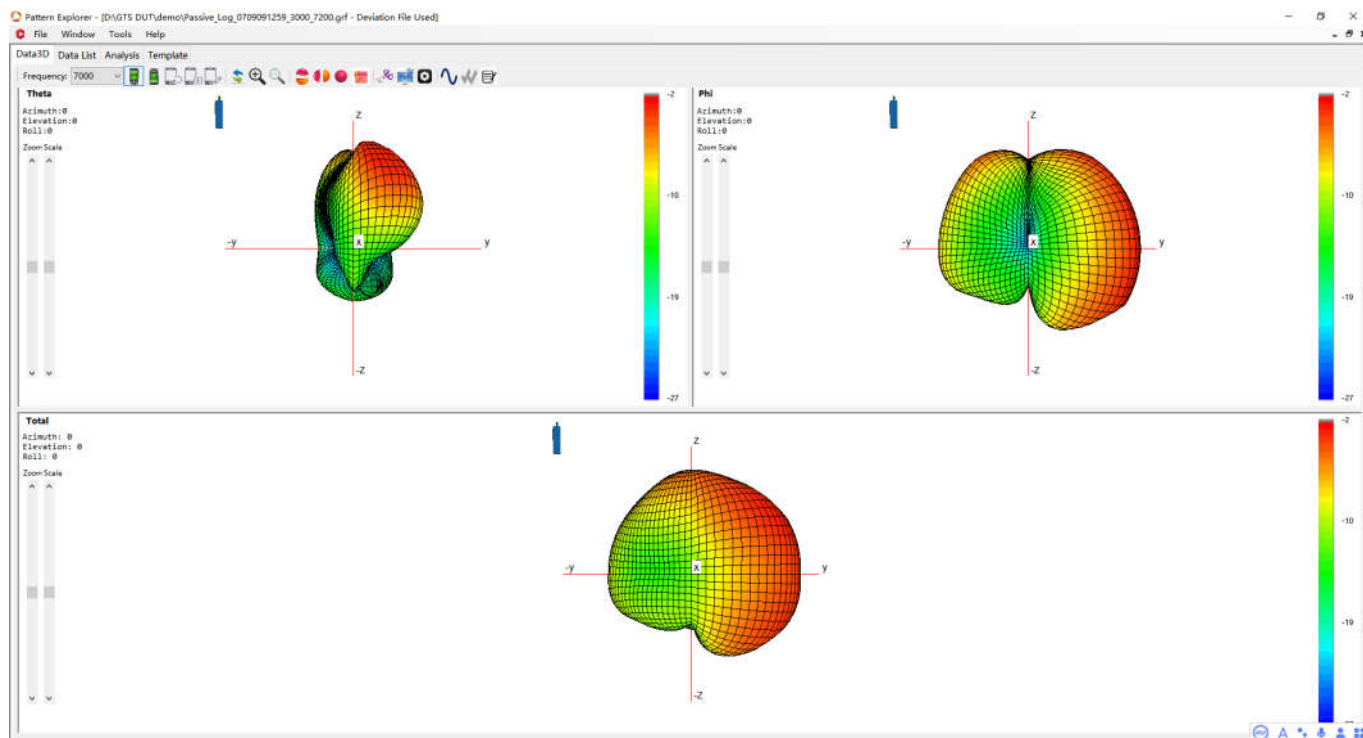


**Wifi CHAIN0 6g 6500MHZ**



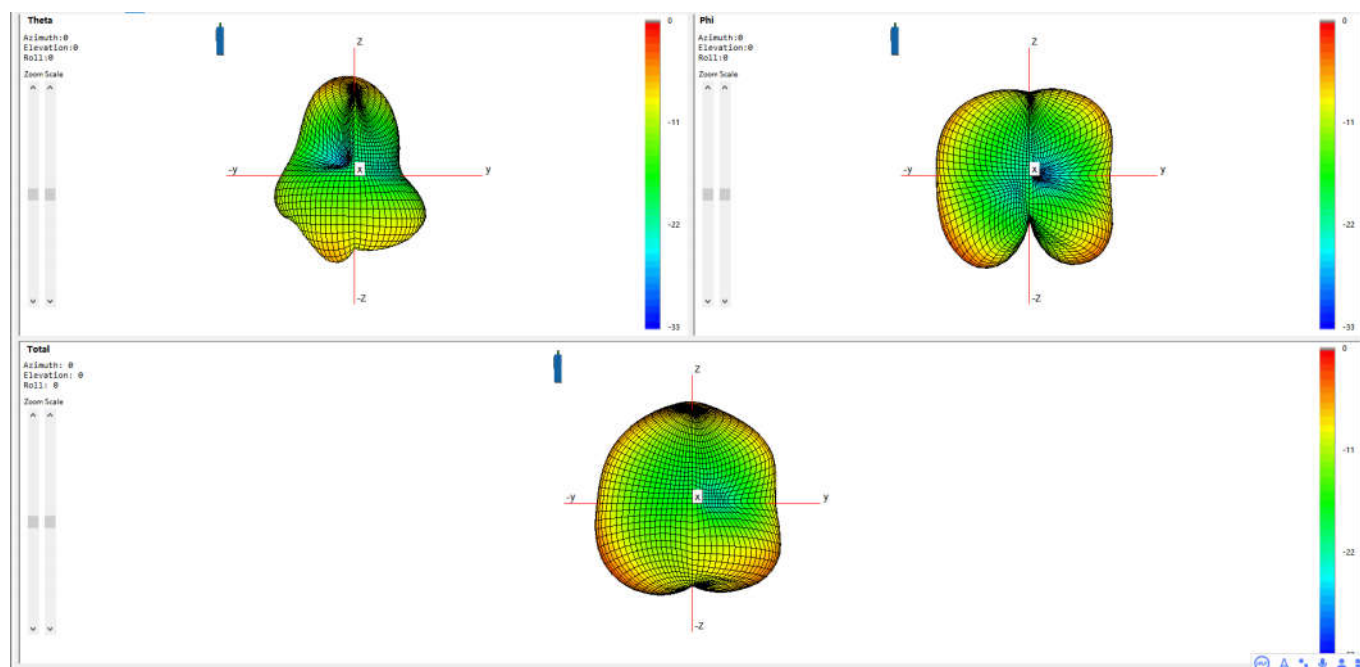
**Wifi CHAIN0 6g 6700MHZ**

## Antenna Report



**Wifi CHAIN0 6g 7000MHZ**

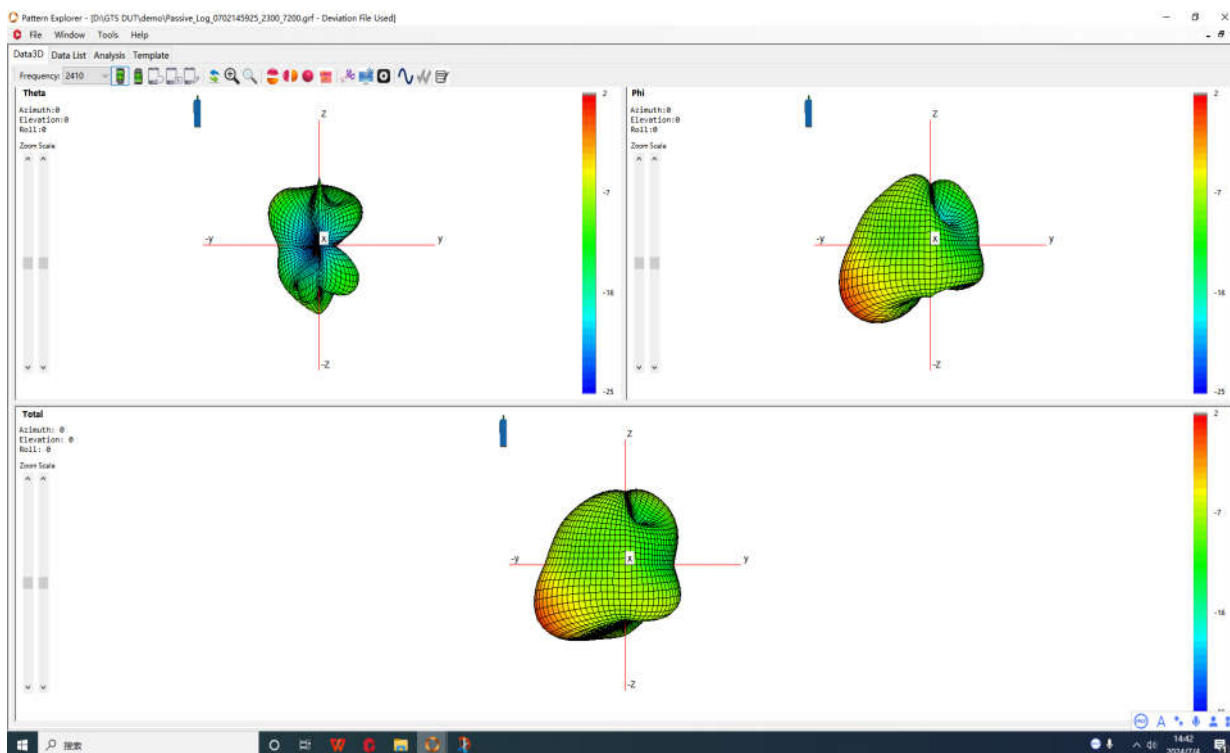
### Ant 6



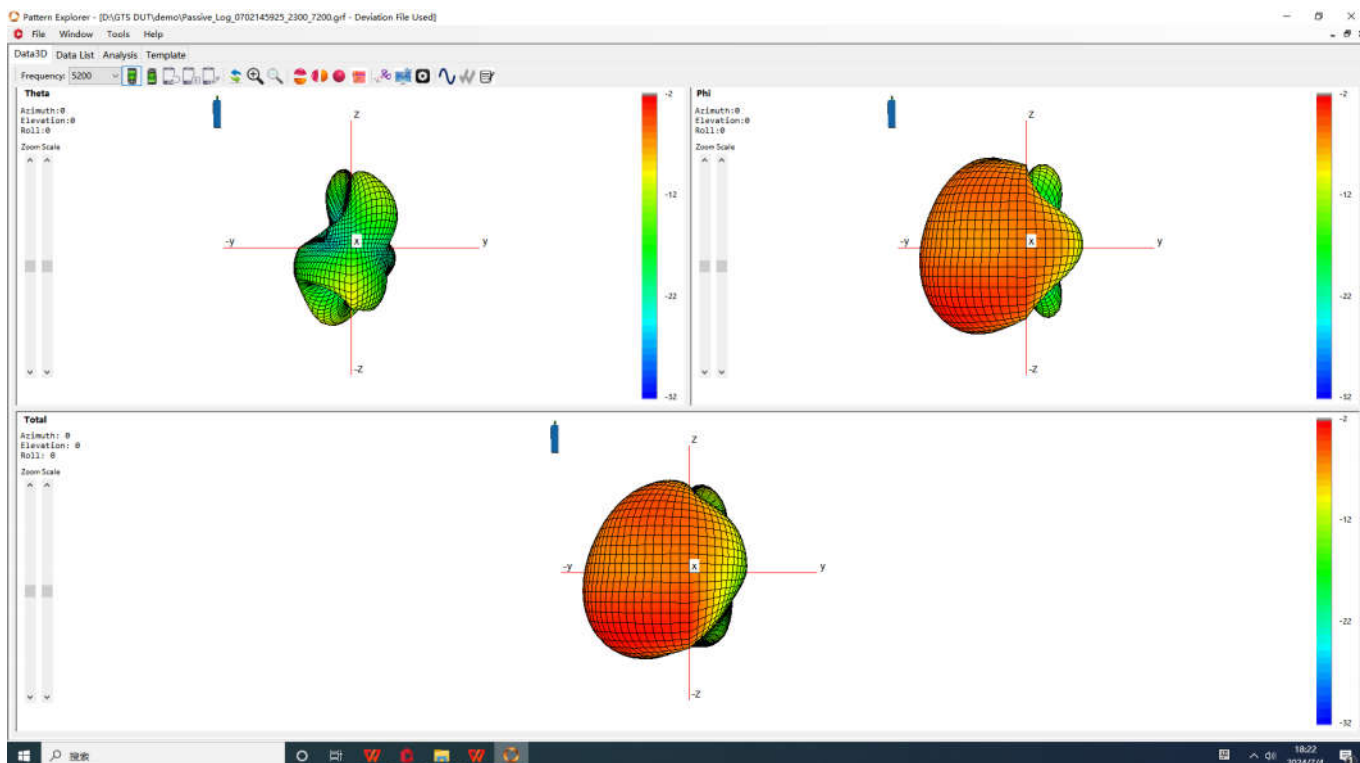
**WIFI CHAIN0-2.4G/B**

# Antenna Report

## ANT8

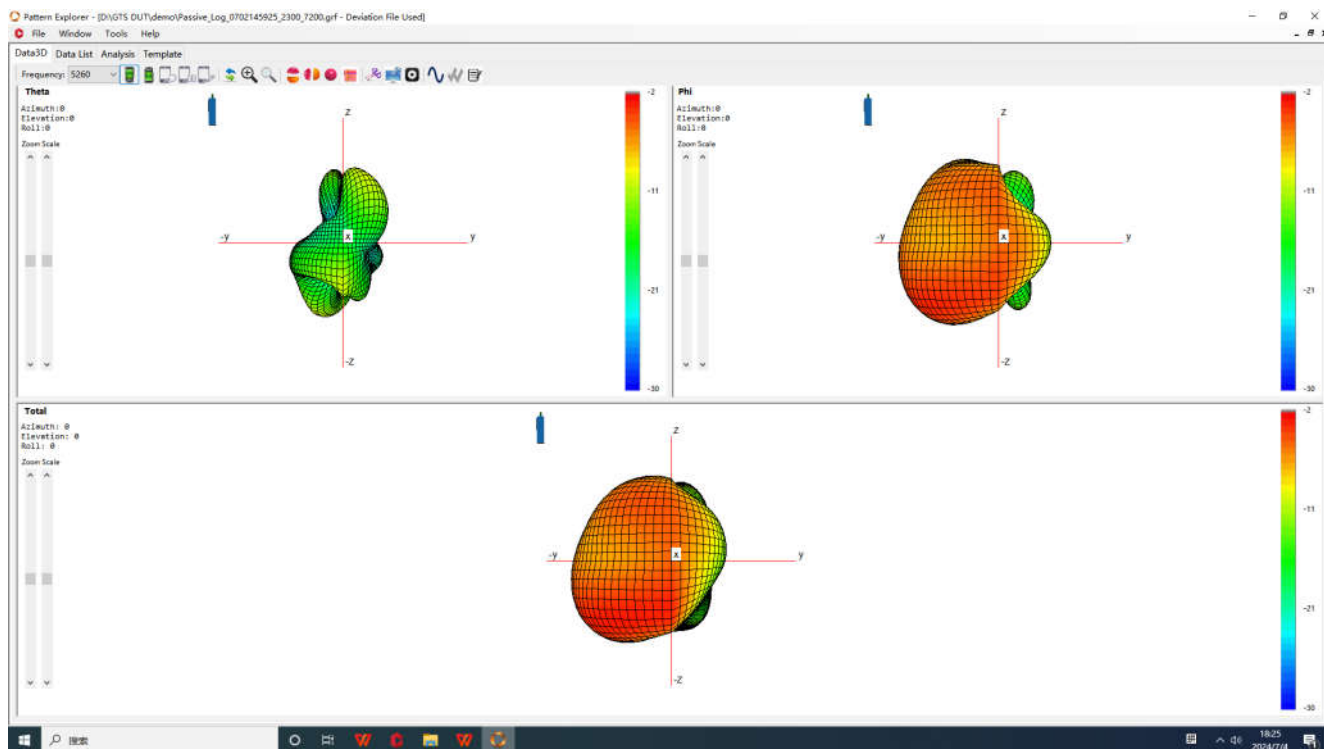


## WIFI CHAIN1-2.4G

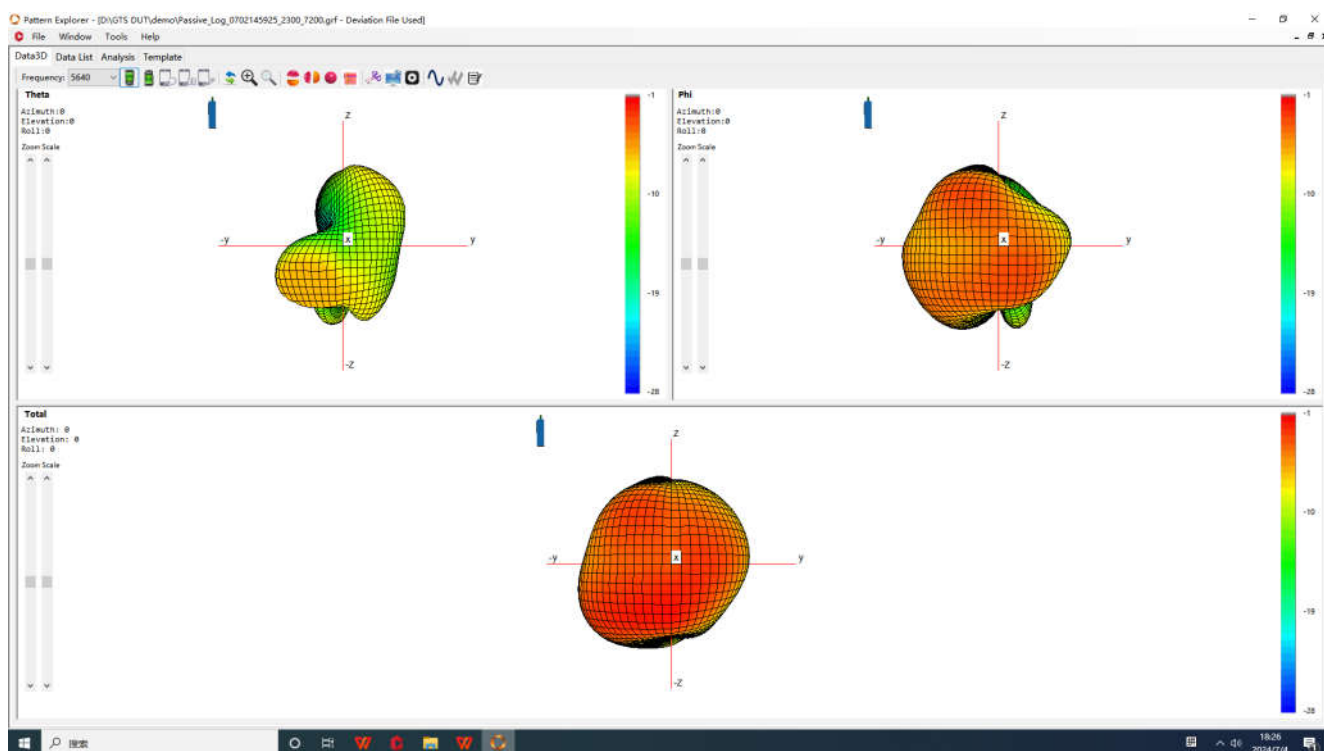


## Wifi CHAIN1 5g w52

## Antenna Report

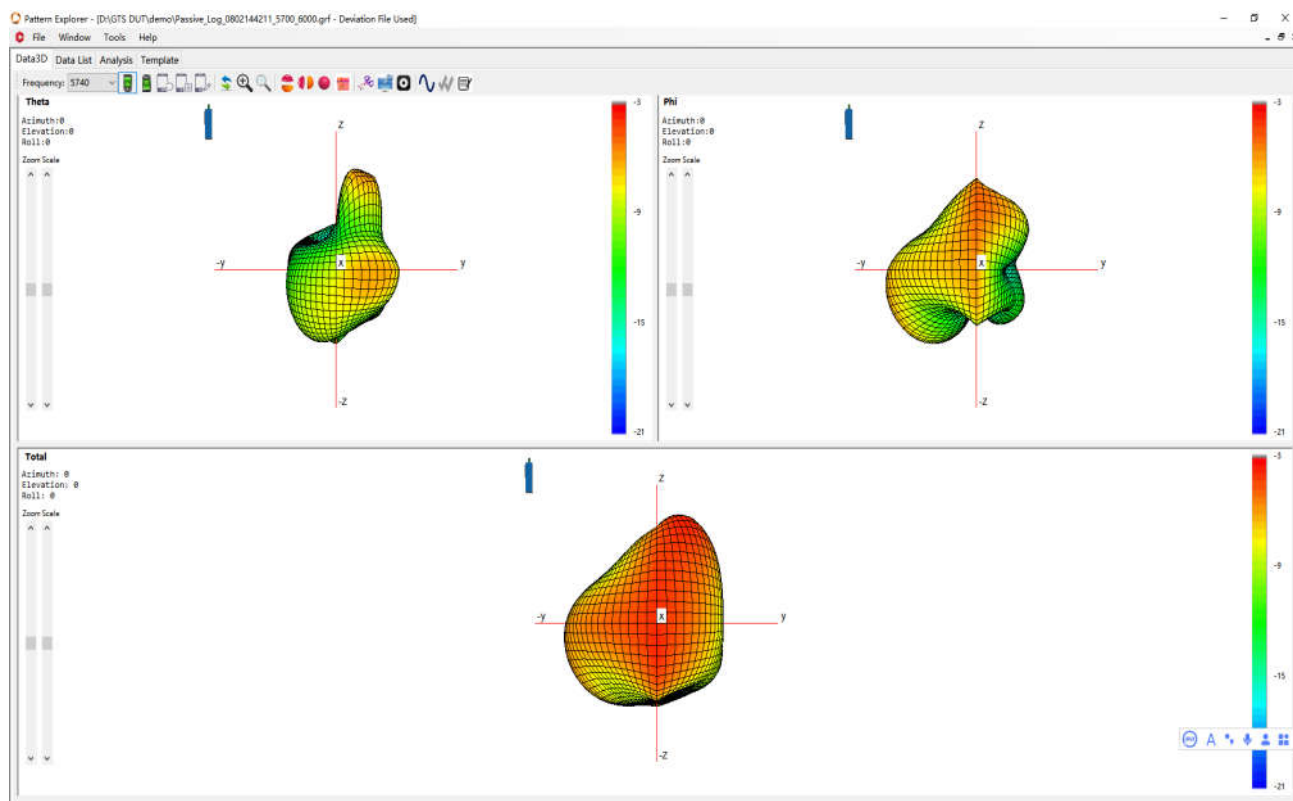


Wifi CHAIN1 5g w53

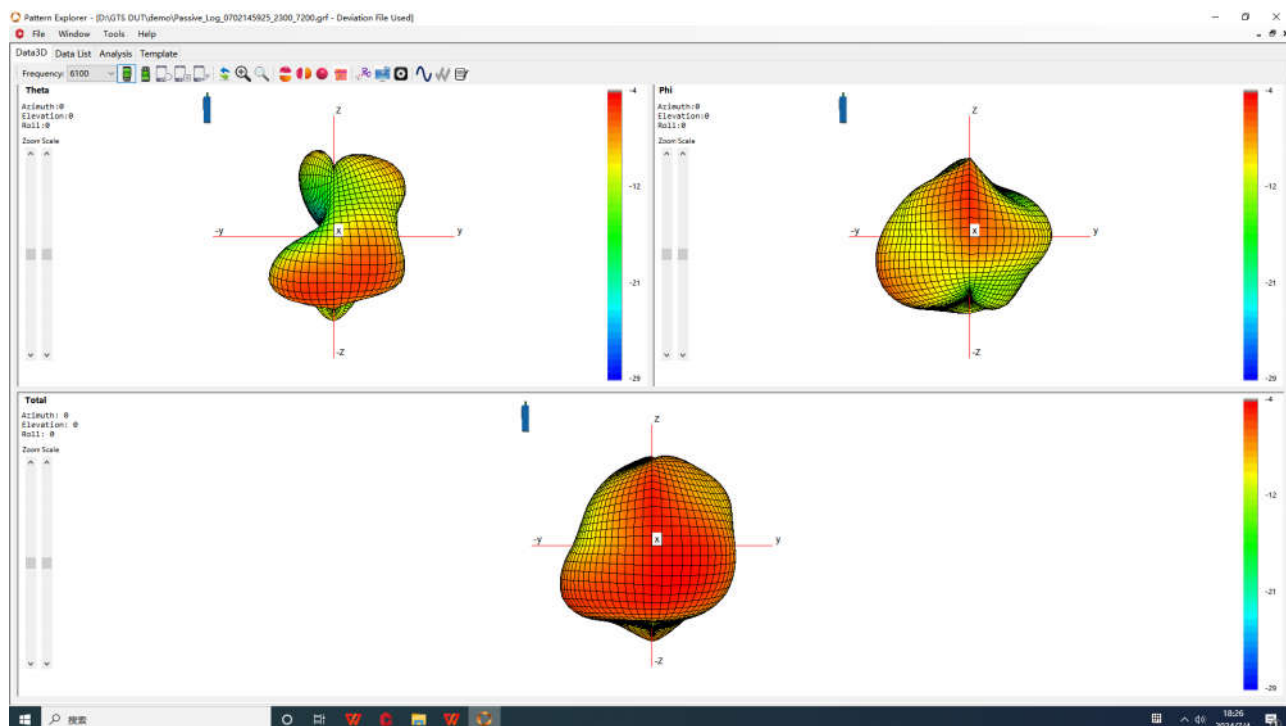


Wifi CHAIN1 5g w56

## Antenna Report

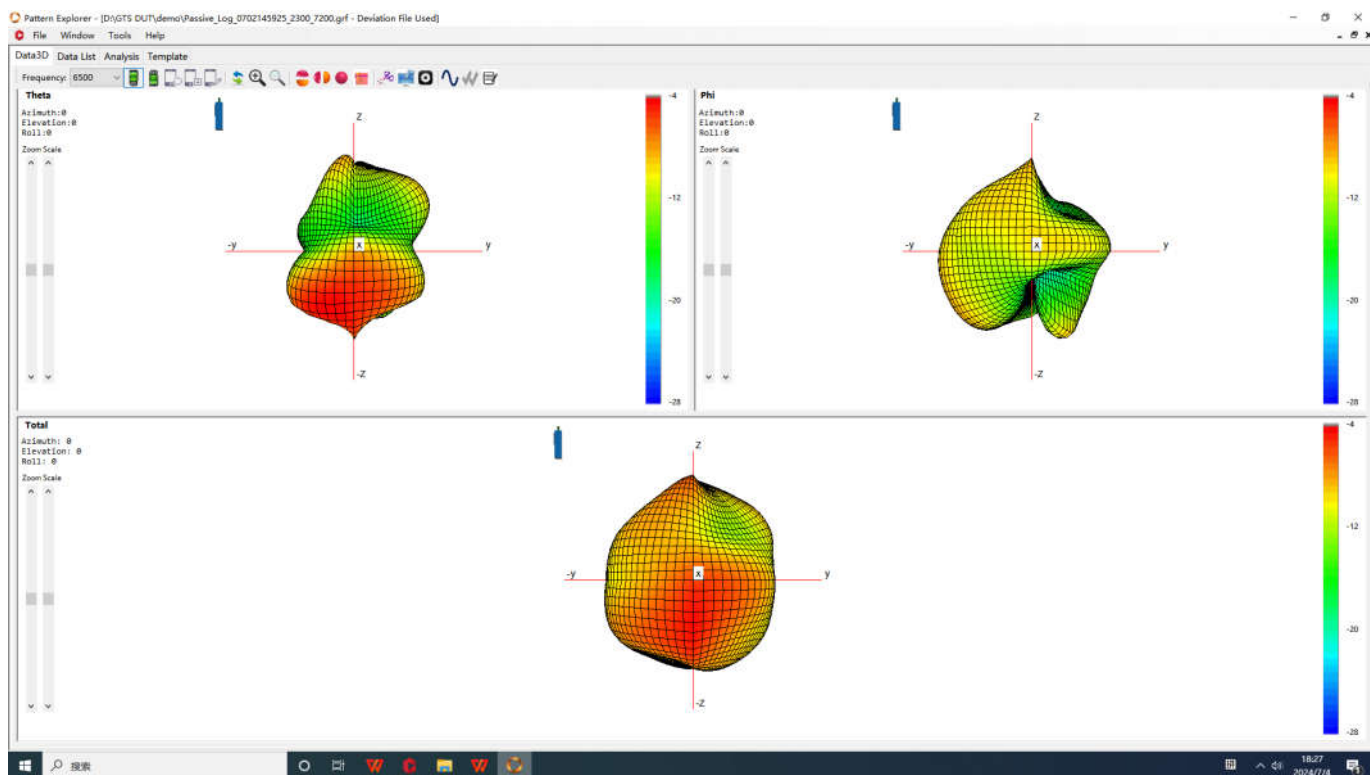


### Wifi CHAIN1 5g 5.8G

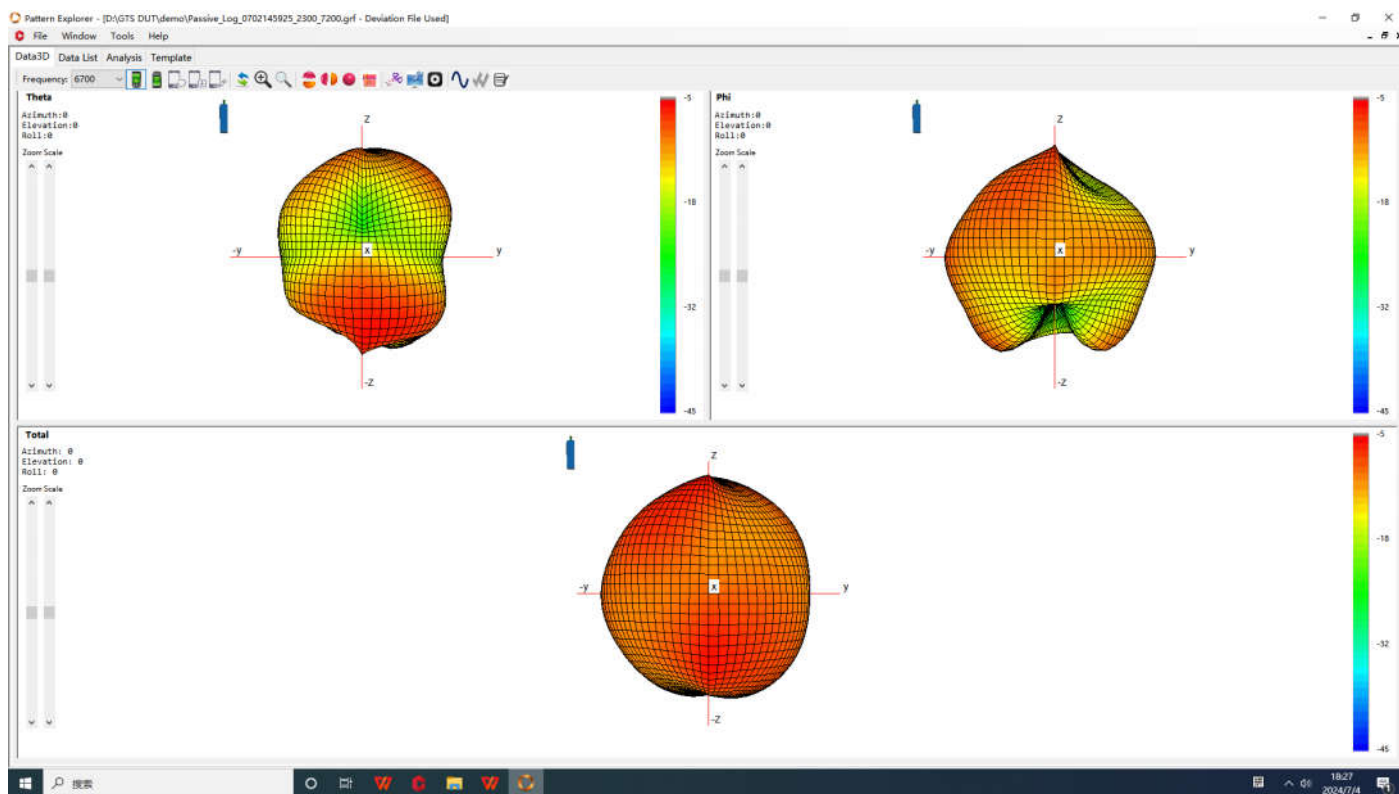


### Wifi CHAIN1 6g 6100MHZ

# Antenna Report

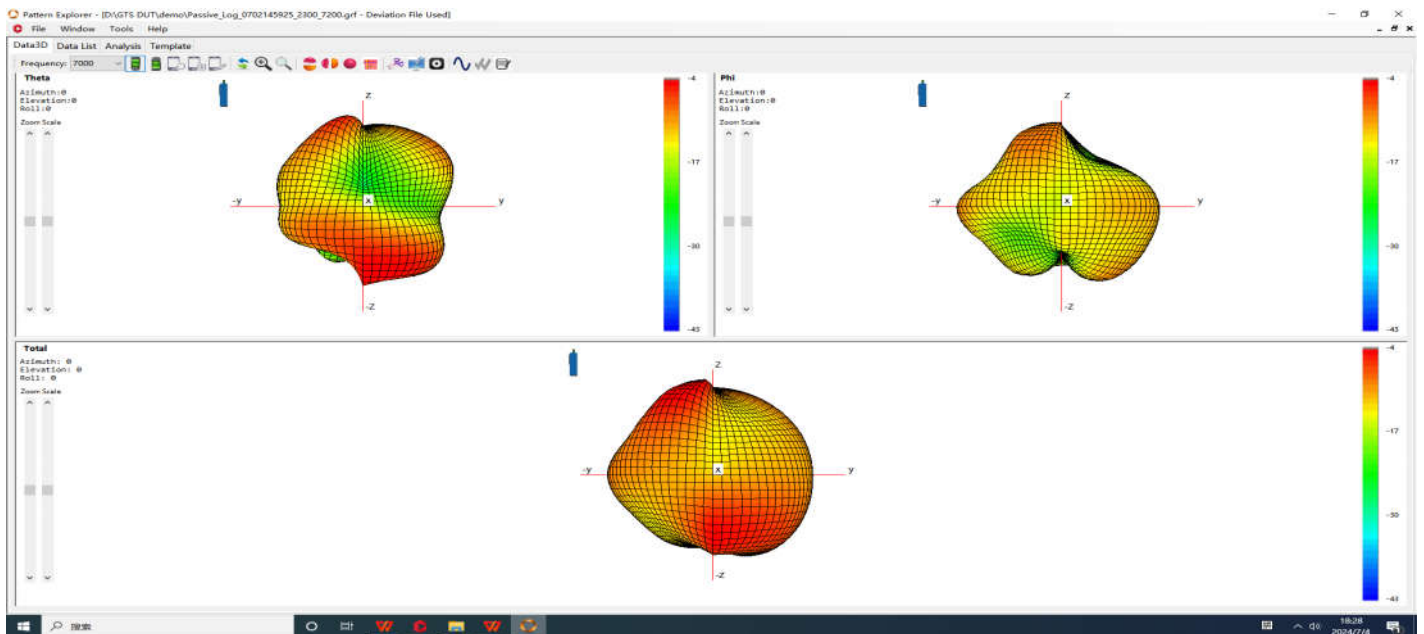


Wifi CHAIN1 6g 6500MHZ



Wifi CHAIN1 6g 6700MHZ

## Antenna Report



**Wifi CHAIN1 6g 7000MHZ**

### ■ 3. NFC Antenna information

NFC Antenna: Differential port to excite FPC coil + Ferrite sheet with dimension 29.44 mm \* 39.74mm \* 0.23mm

Antenna vendor: SPEED

Antenna pattern: FPC coil + Ferrite