

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 :

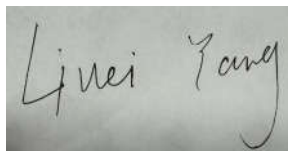
A handwritten signature in black ink, reading "Linwei Yang", is displayed within a rectangular frame.

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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. ANT6: GPS L5+WiFi 2.4G (2.4~2.5GHz)+BT, IFA type ANT8: WIFI 2.4/5G/6E+BT (2.4~2.5GHz, 5.15~7.125GHz), IFA type 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.

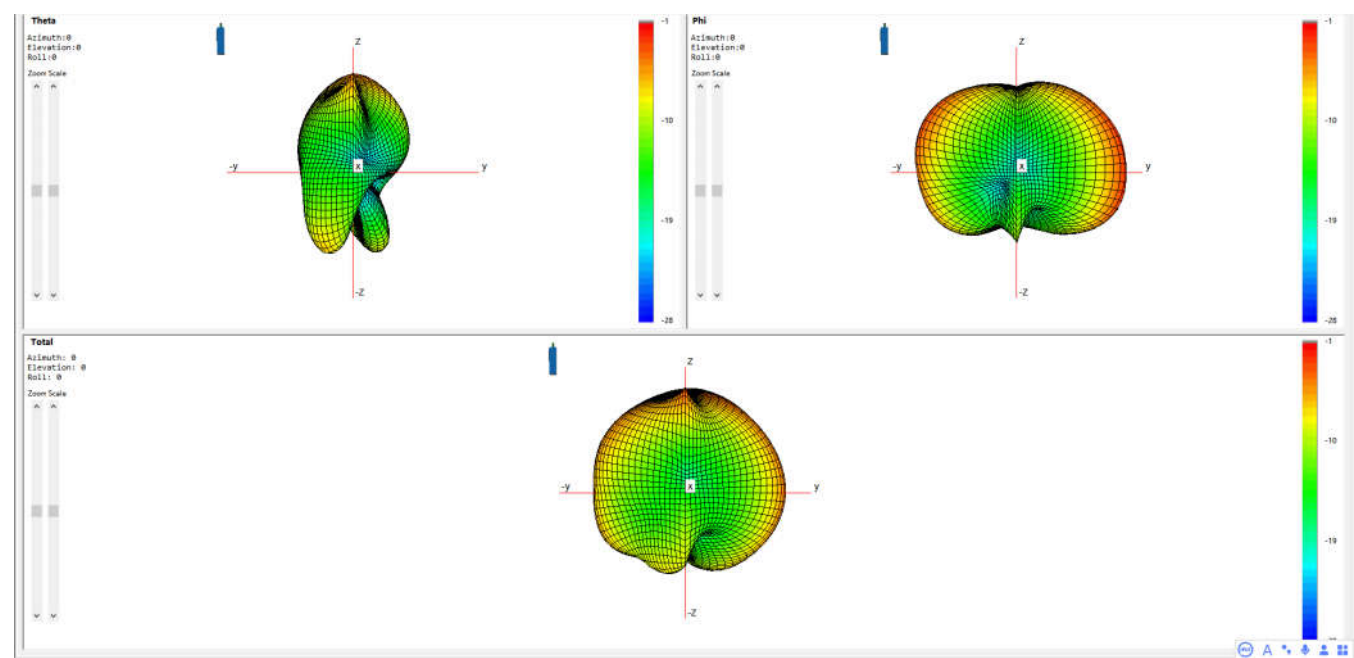
Test Equipment	calibrate	Due date	Remark
GTS2800	On May 24th,2024	On May 23th,2025	NA
ETS	On May 30th,2024	On May 29th,2025	NA
E5071C	On May 24th,2024	On May 24th,2025	network naalyzer

2 TX Antenna Peak Gain

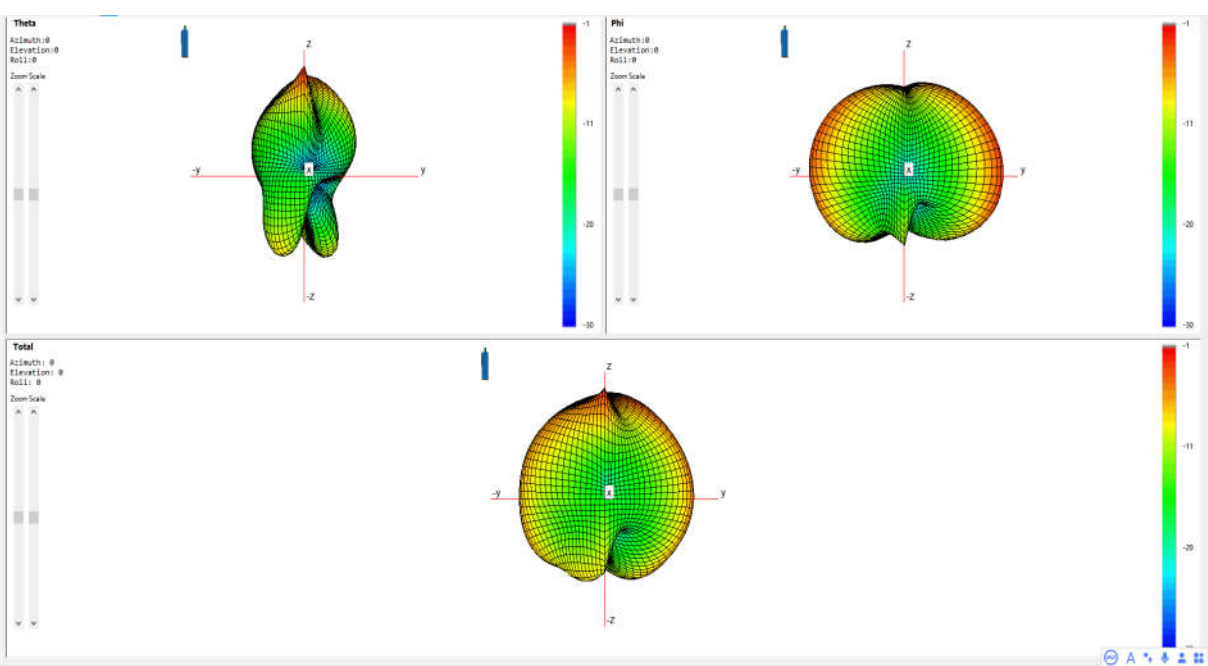
Test / Position	Free Space				
bands	Frequency	TX Antenna Peak Gain			
		Ant 5	Ant 6	Ant 7	Ant 8
BT	2402-2480MHz		-3.93		-4.4
WiFi 2.4G	2410-2477MHz		-3.93		-4.4
WiFi 5G W52	5180-5240MHz	-4.38			-4.5
WiFi 5G W53	5260-5320MHz	-5			-4.9
WiFi 5G W56	5500-5700MHz	-4.77			-4.9
WiFi 5G 5.8G	5725-5850MHz	-4.85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

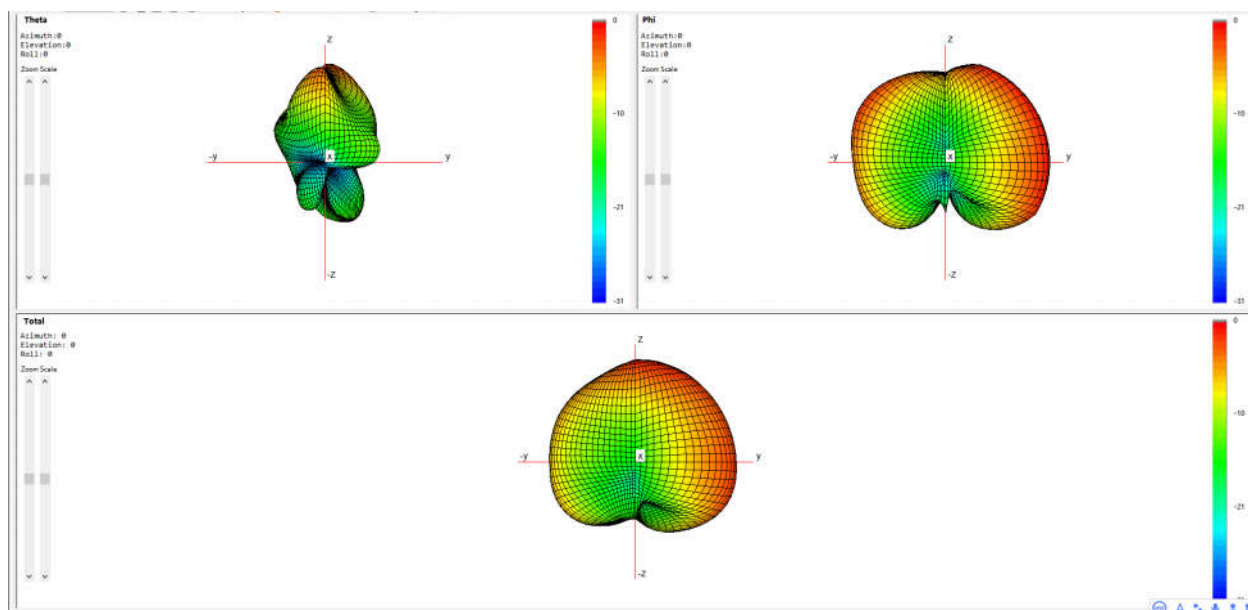


Wifi CHAIN0 5g w52

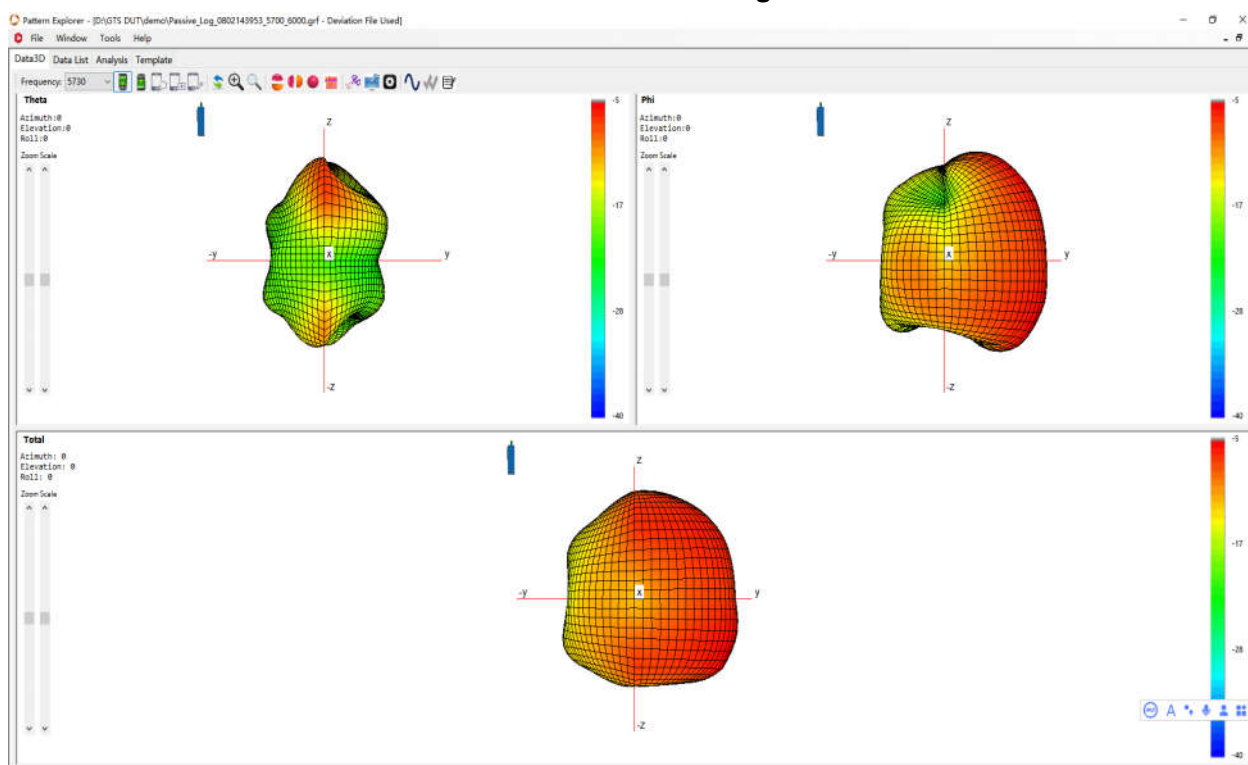


Wifi CHAIN0 5g w53

Antenna Report

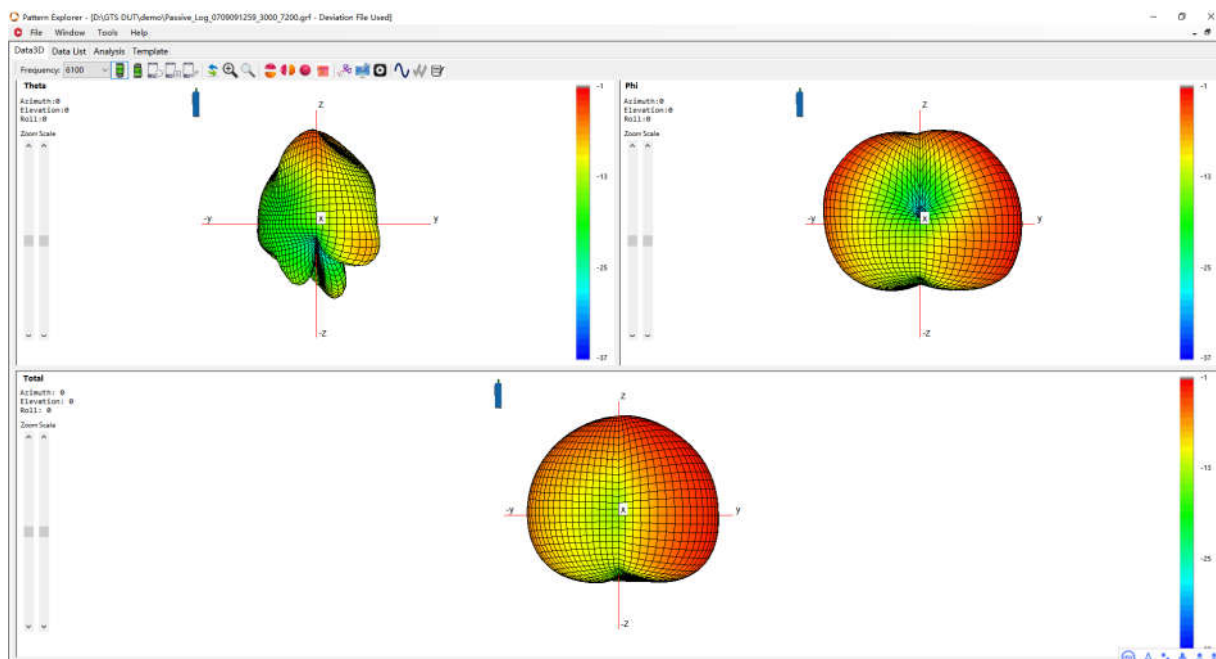


Wifi CHAIN0 5g w56

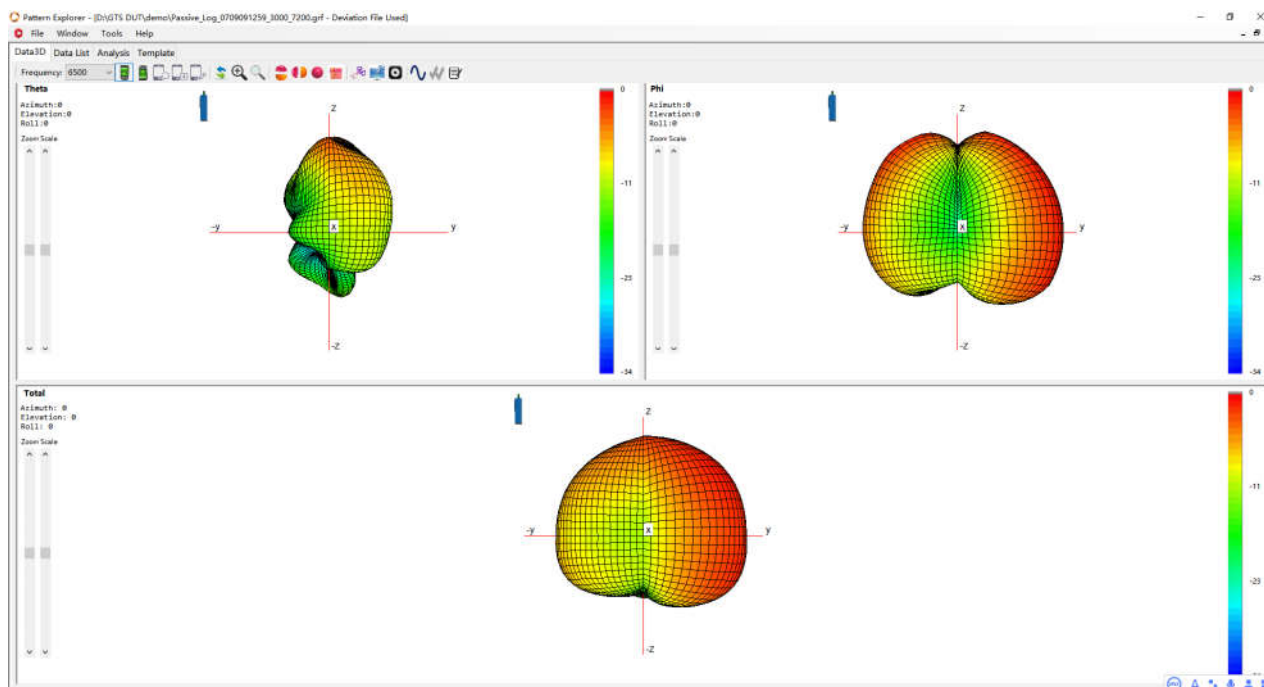


Wifi CHAIN0 5g 5.8G

Antenna Report

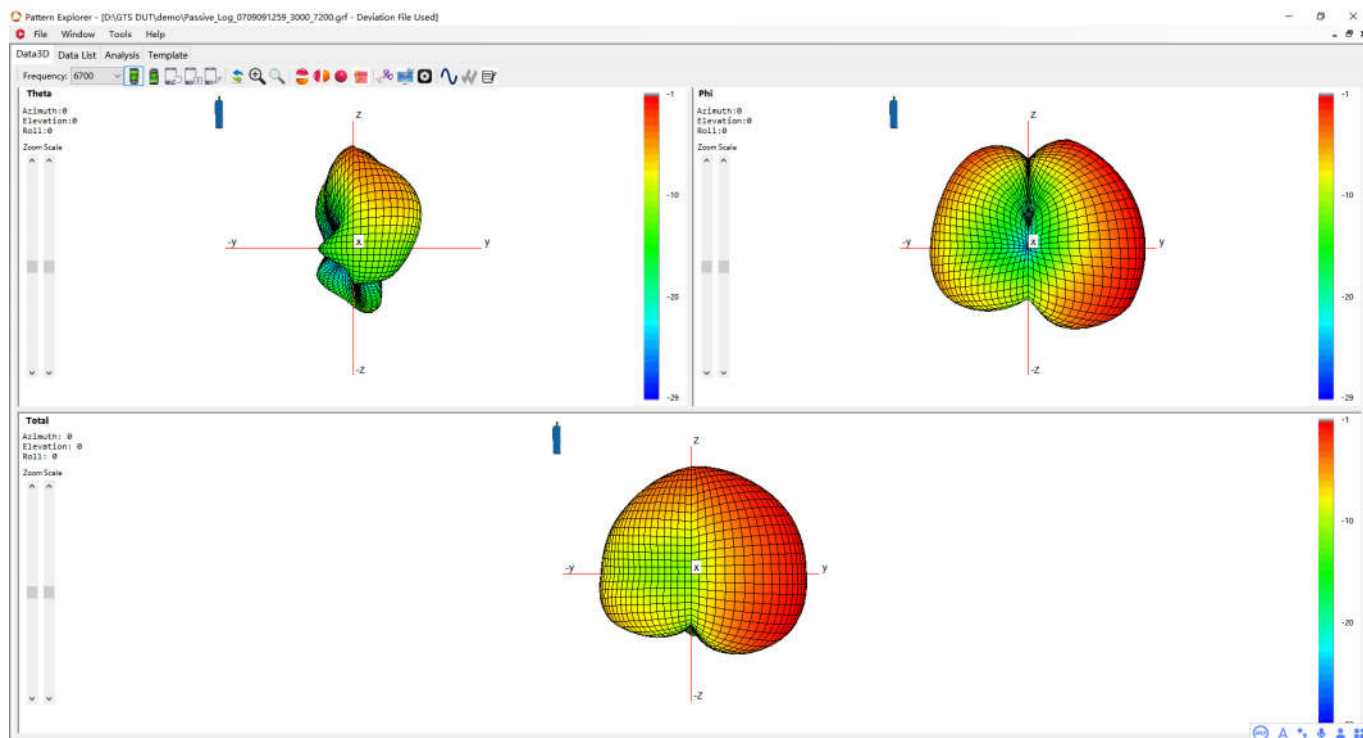


Wifi CHAIN0 6g 6100MHZ

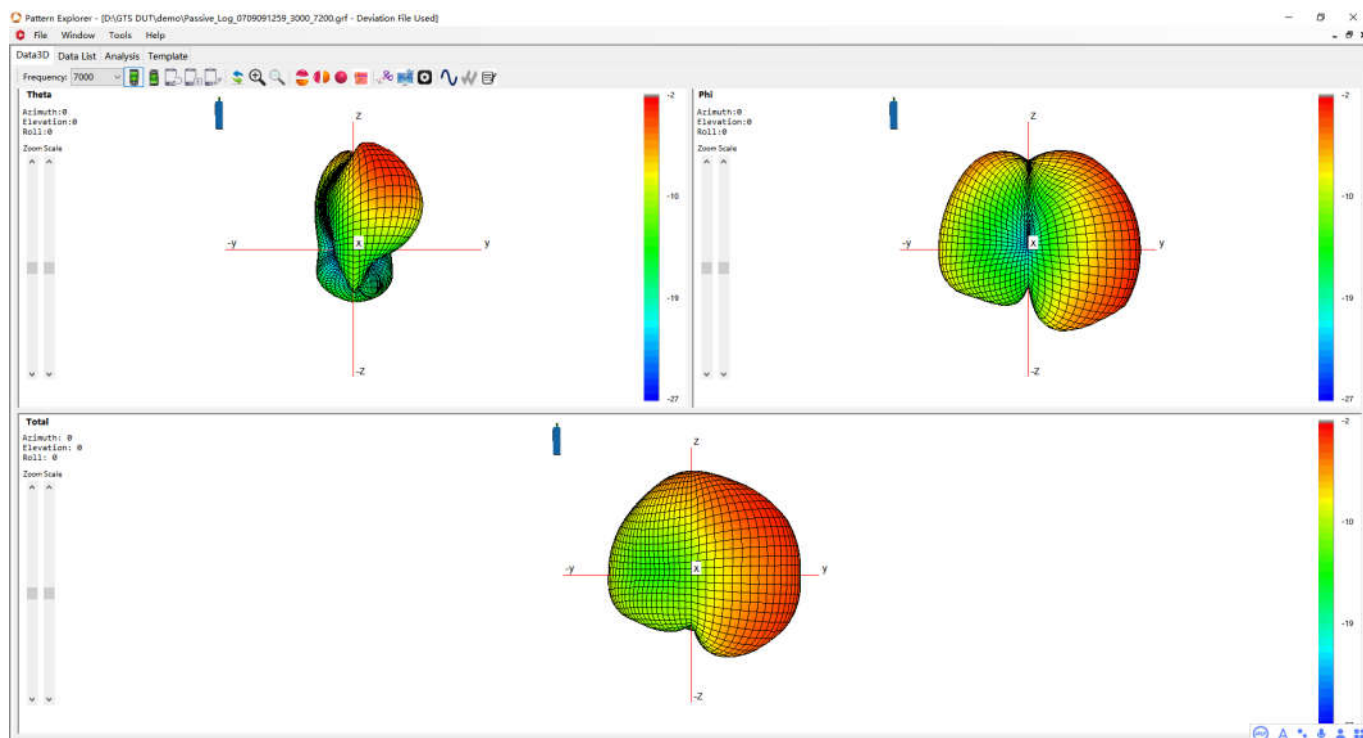


Wifi CHAIN0 6g 6500MHZ

Antenna Report

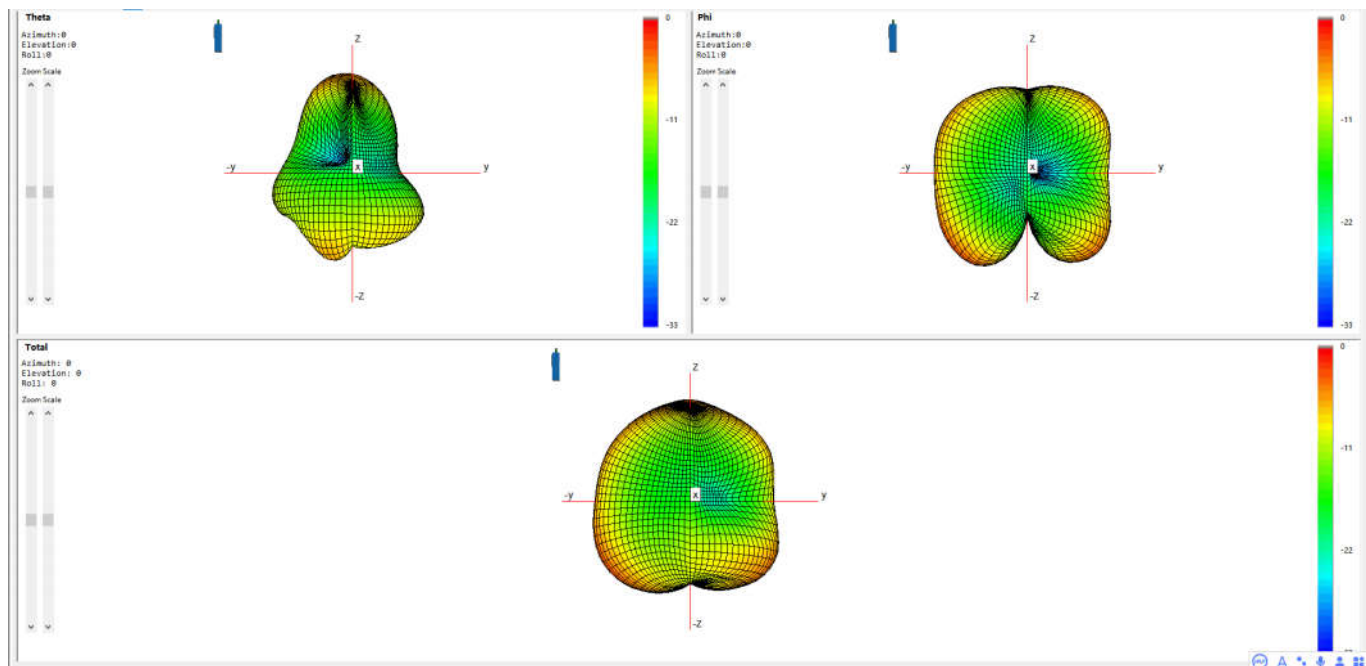


Wifi CHAIN0 6g 6700MHZ



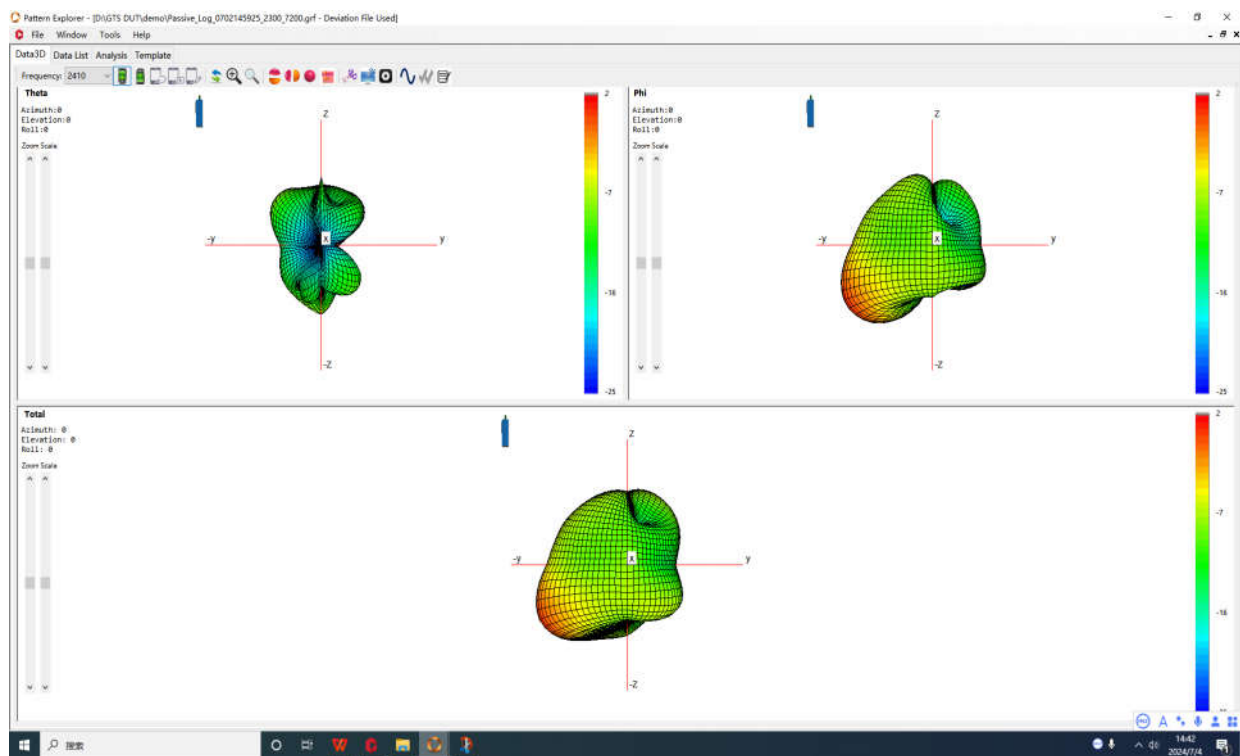
Wifi CHAIN0 6g 7000MHZ

Ant 6

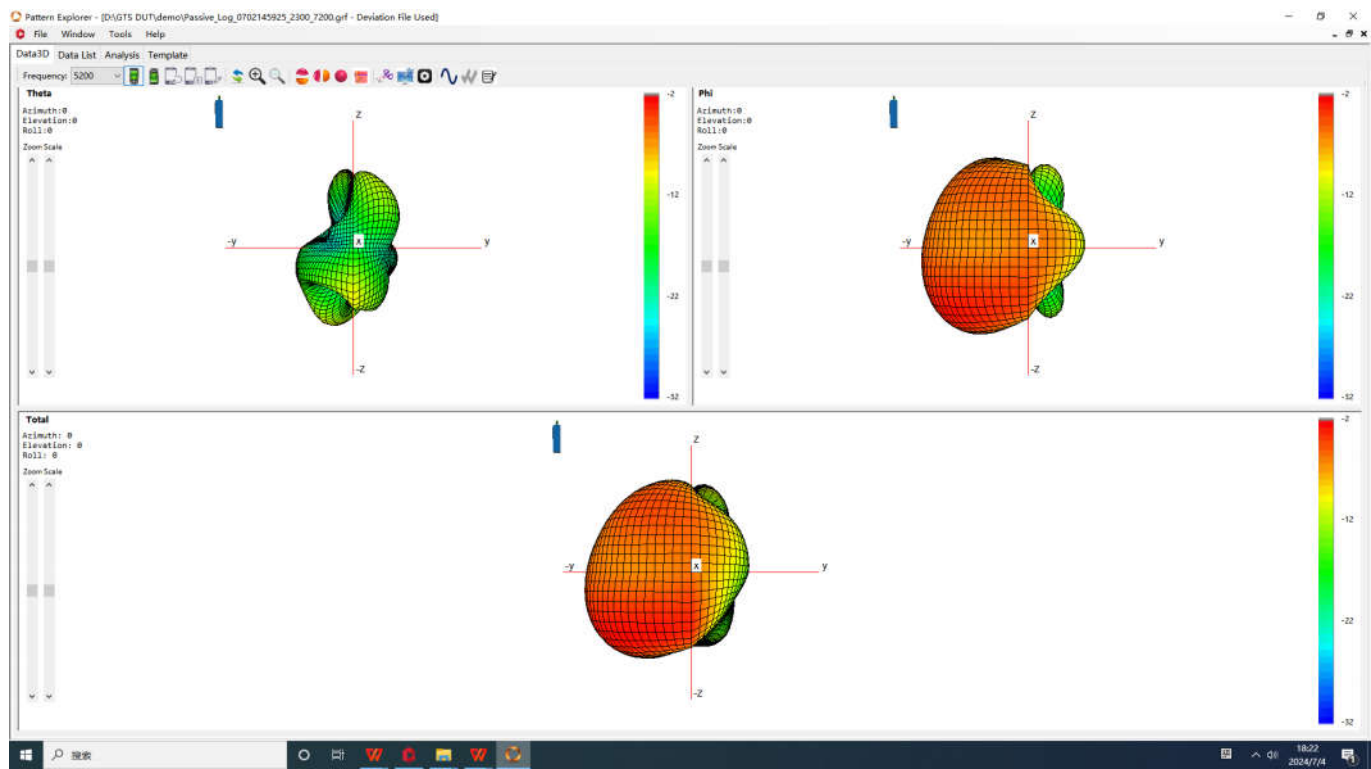


WIFI CHAIN0-2.4G/BT

ANT8

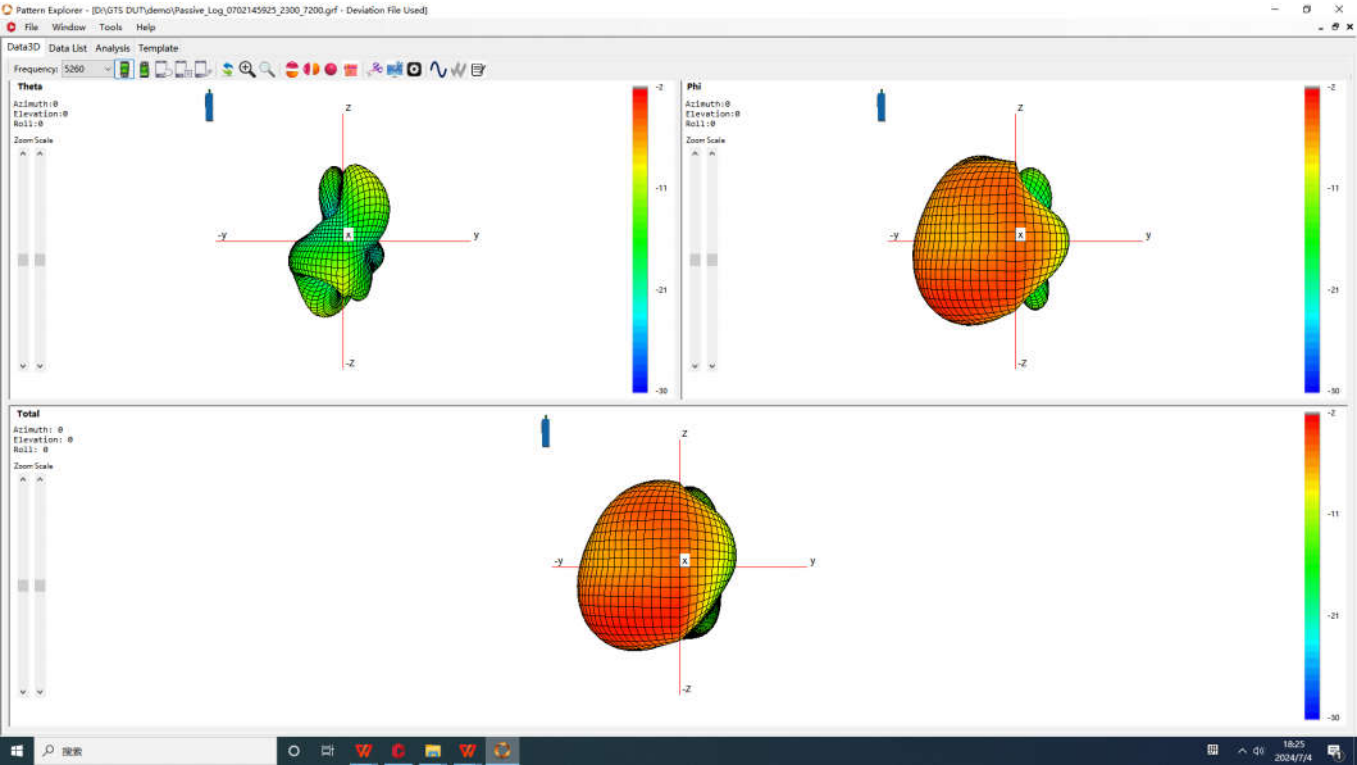


WIFI CHAIN1-2.4G

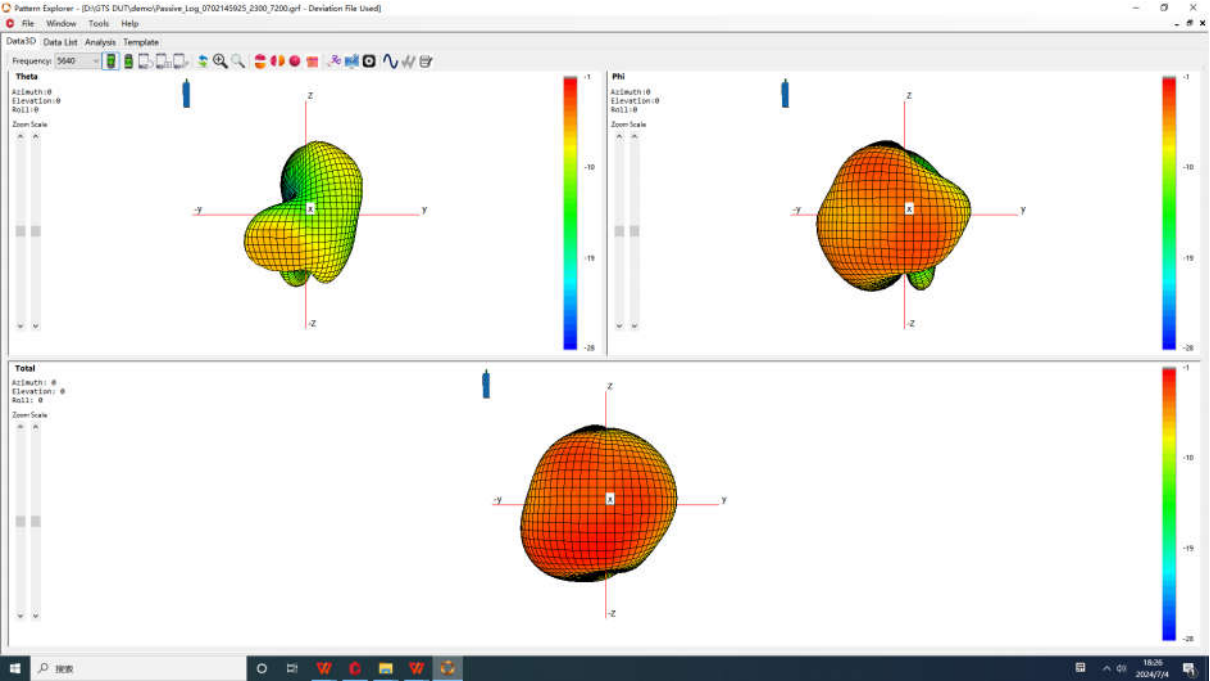


Wifi CHAIN1 5g w52

Antenna Report

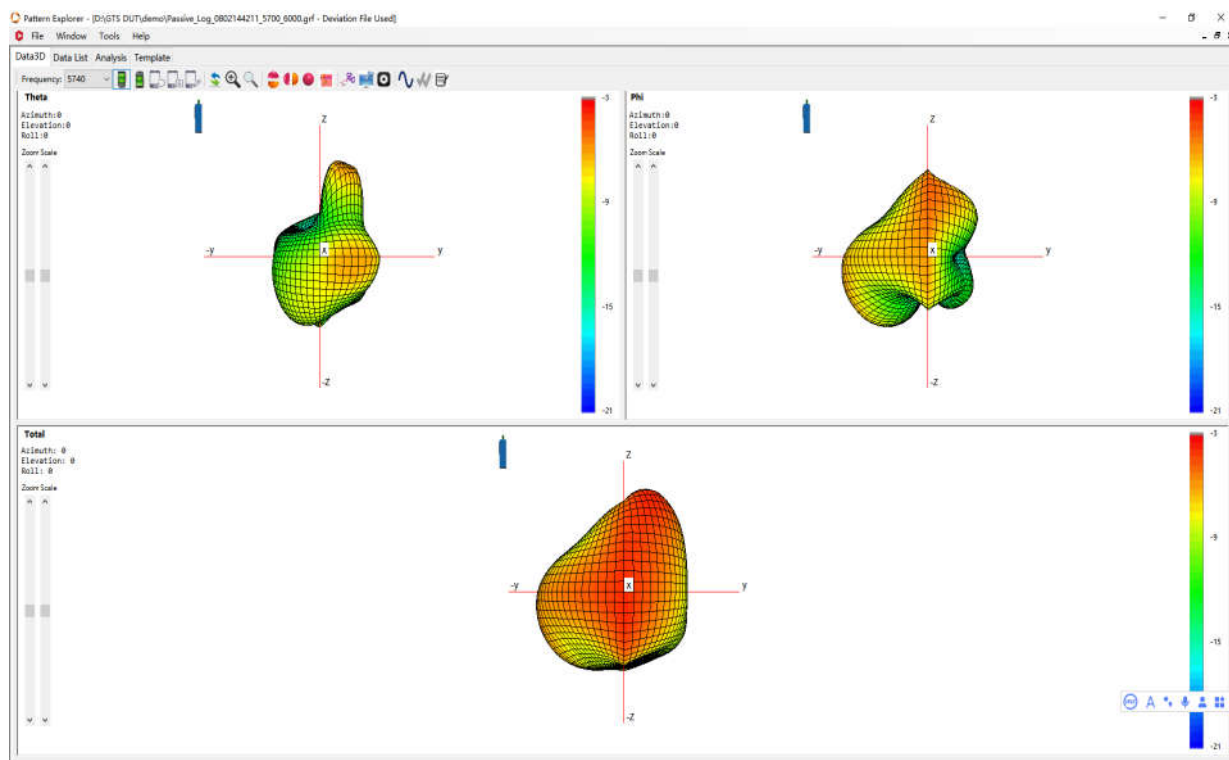


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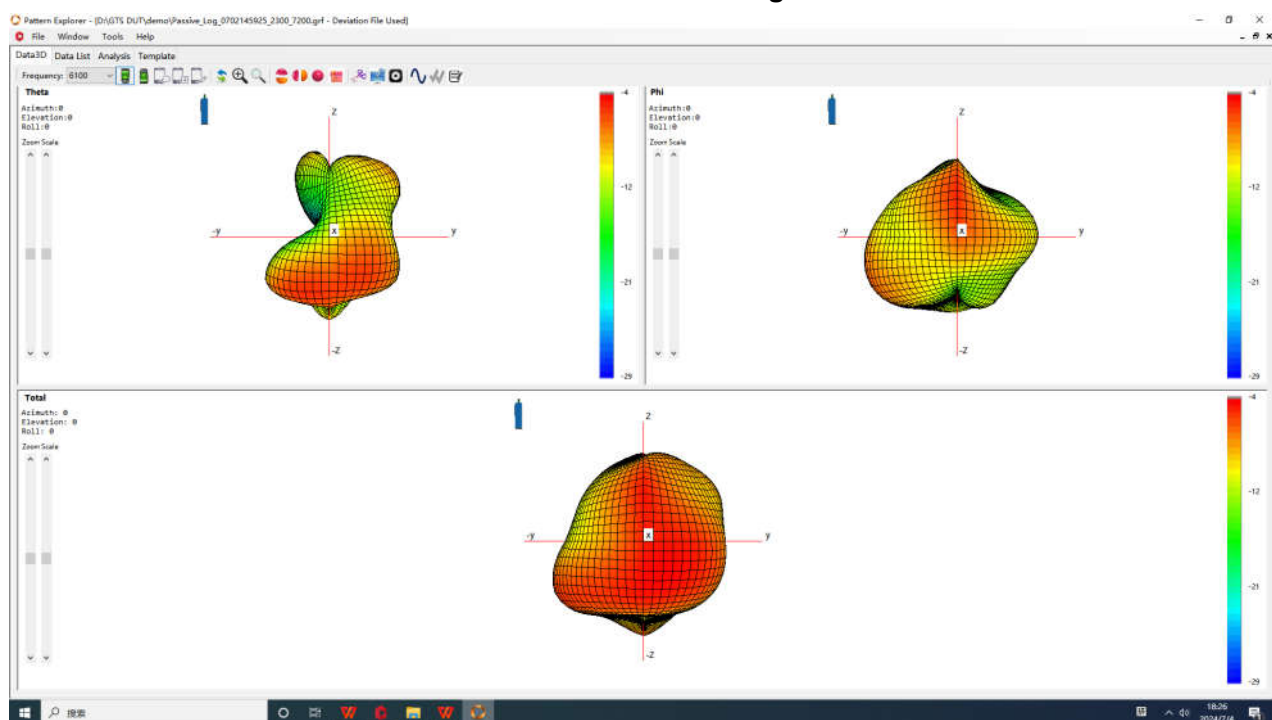


Wifi CHAIN1 5g w56

Antenna Report

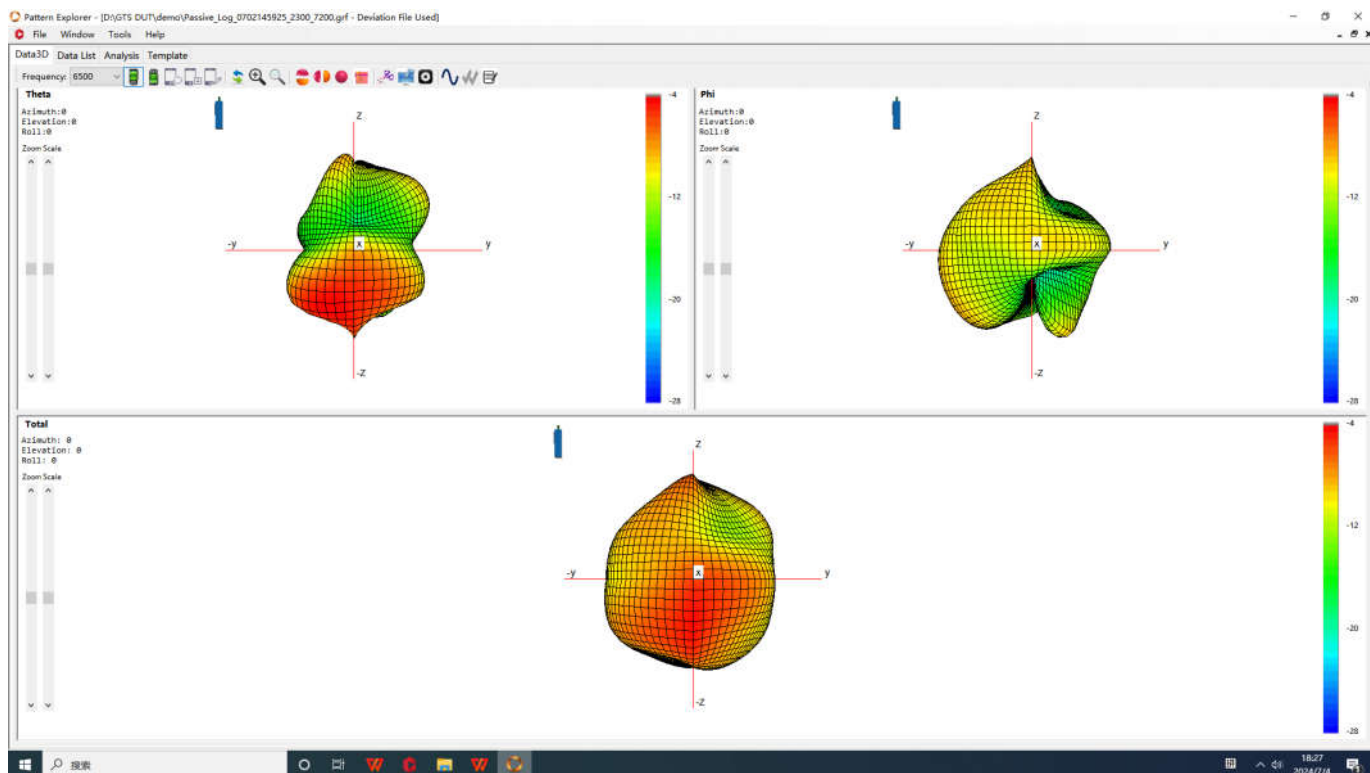


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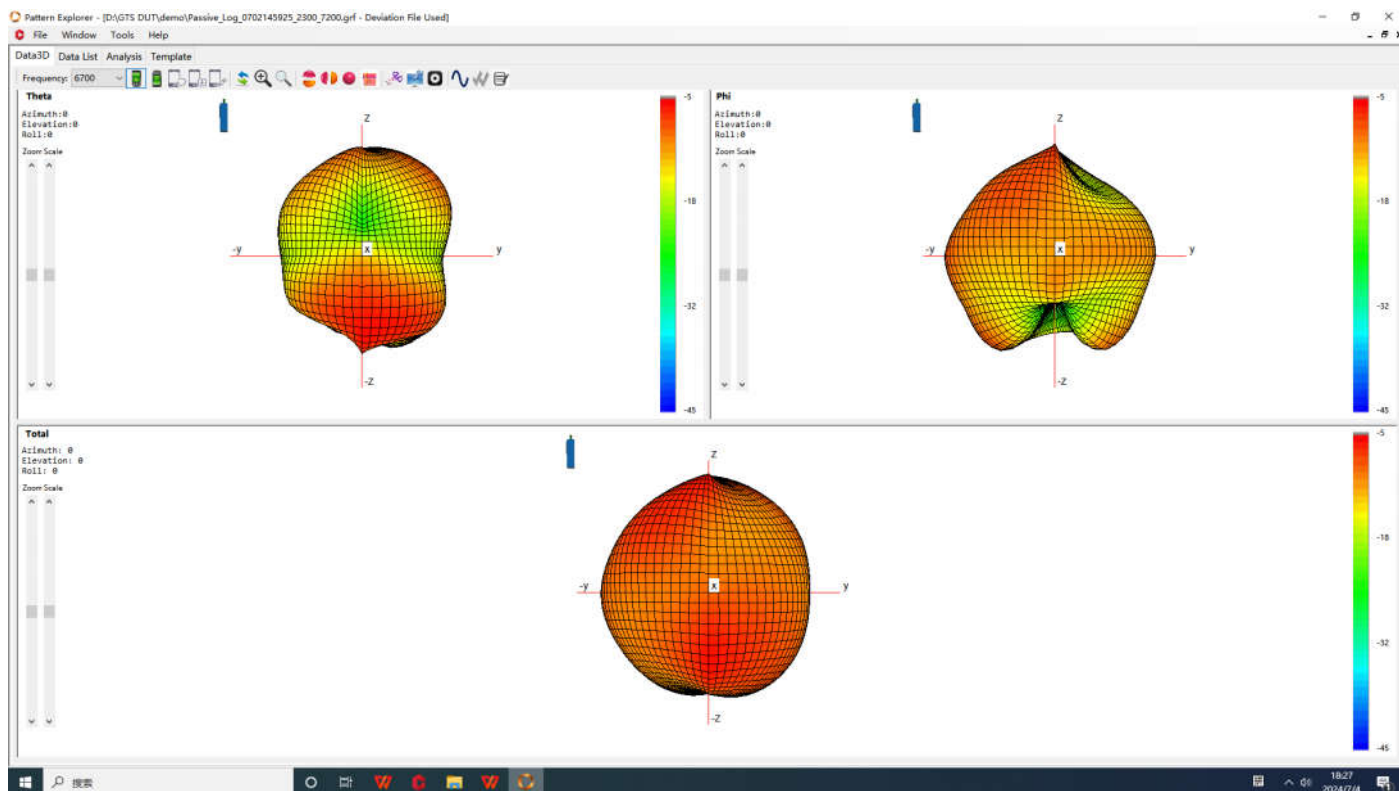


Wifi CHAIN1 6g 6100MHZ

Antenna Report

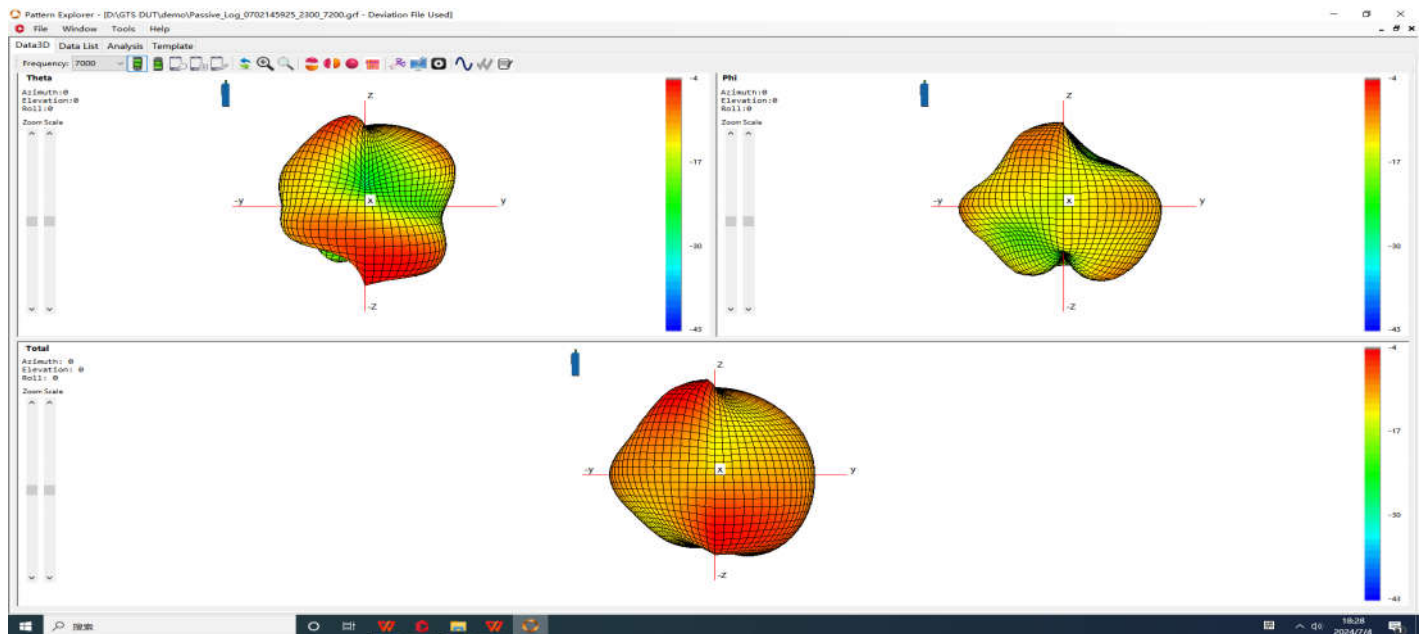


Wifi CHAIN1 6g 6500MHZ



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