
Antenna Reports

Company: Motorola Mobility LLC

Model name: XT2609-1

Issue date: 2025/11/22

Documented by: _____

chengyao

Antenna Summary Table

Check items	Information
Provided by lab	Motorola internal lab (GTS)
Manufacturer/ Brand name	Motorola
Model name (Part number)	MDA/LDS
Test environment	1. Motorola Shanghai RD team Lab with GTS2800 chamber 2.Anritsu MT8821C
Test software	MaxSign Libra
Antenna detail info.	Show WLAN/BT/ NFC/only, no WWAN ANT3: GPS L1&BT/WiFi2.4G (2.4~2.5GHz), IFA type antenna. ANT4: WiFi 5G/6E(5.15~7.125GHz), IFA type ANT6:WiFi2.4G(2.4~2.5GHz)&WiFi5G/6E(5.15~7.125 GHz), IFA type antenna. NFC Antenna: Differential port to excite LDS + Ferrite sheet(Loop antenna) with dimension 33.8 mm *14.8mm * 0.25mm
Antenna gain test data	Included antenna frequency, gain pattern

List of test Equipment

Equipment	Calibrate date	Due date	Remark
GTS RayZone2800	On October 23, 2024	On October 22, 2026	N/A
Anritsu MT8821C	On May 16, 2024	On May 15, 2026	N/A

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

Antenna Test data:

ANT3

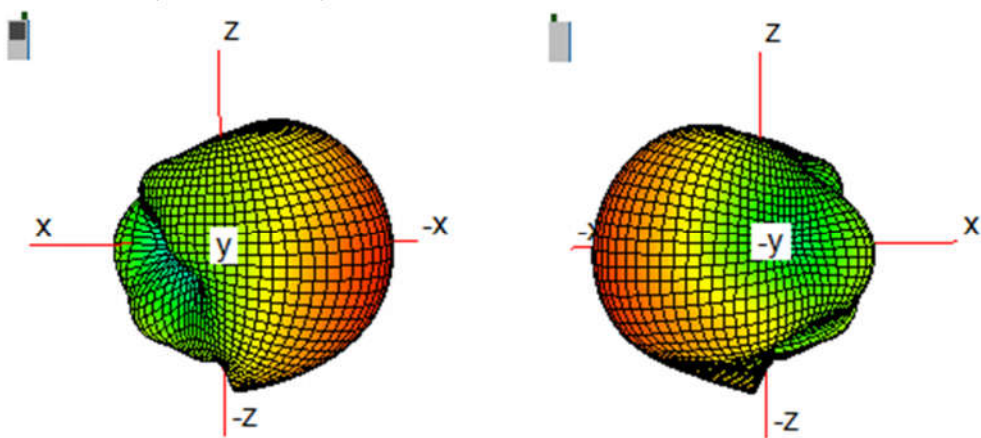
Antenna model name: MDA/LDS

Antenna type: IFA

/BT/WIFI2G/GPS Peak Gain (dBi)	
2400~2500MHz	-0.5

(Rear view– Front view)

WIFI 2.4G (2450 MHz)



ANT4

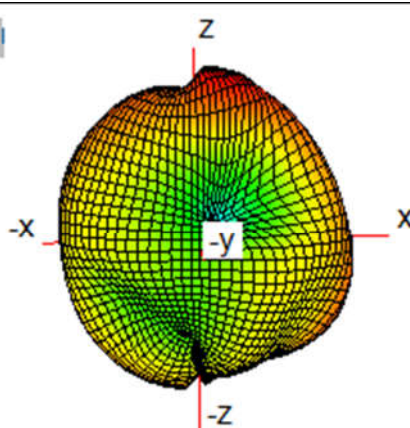
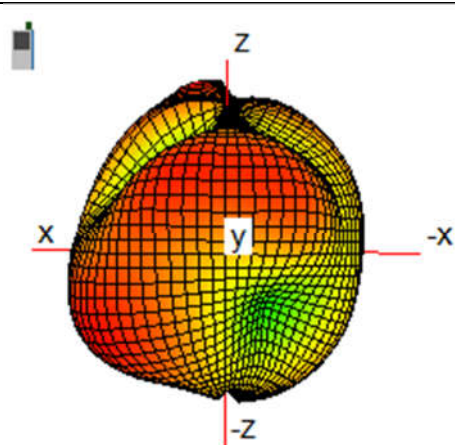
Antenna model name: MDA

Antenna type: IFA

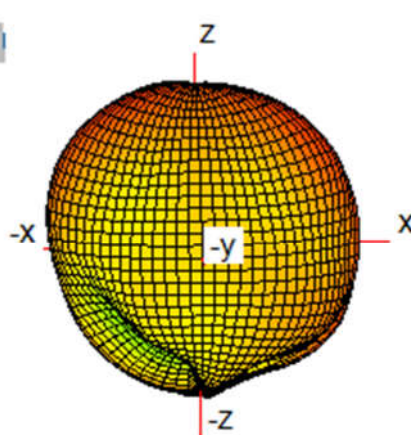
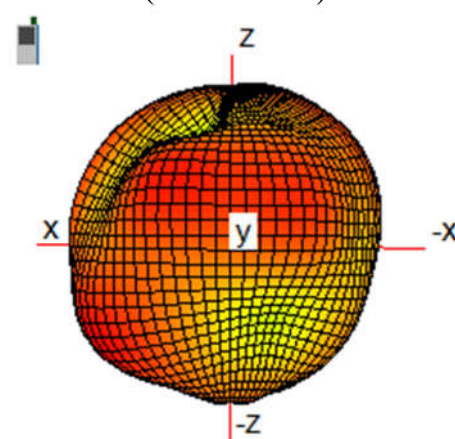
WIFI5G/6E Peak Gain (dBi)			
2400~2483.5MHz	/	5850~5925MHz	-4.5
5150~5250MHz	-4.8	5925~6425MHz	-4.6
5250~5350MHz	-4.8	6425~6525MHz	-4.7
5470~5725MHz	-4.8	6525~6875MHz	-5.3
5725~5850MHz	-4.5	6875~7125MHz	-4.9

(Rear view– Front view)

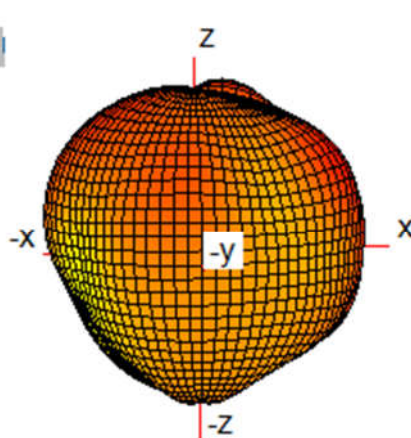
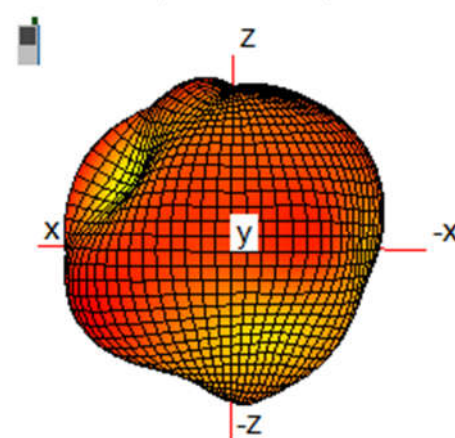
WIFI 5G (5150 MHz)



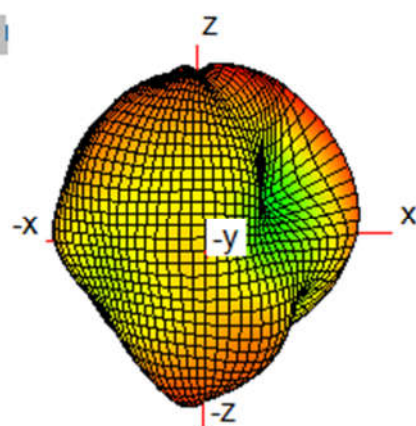
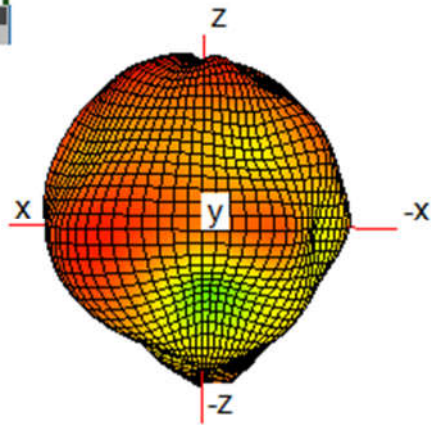
WIFI 5G (5300 MHz)



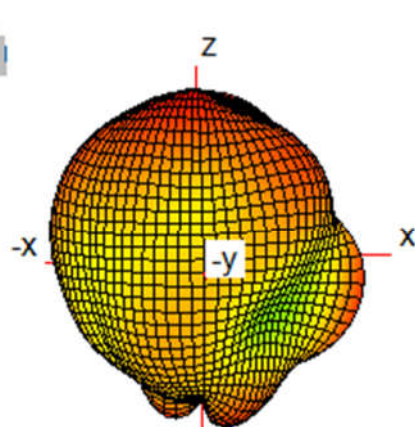
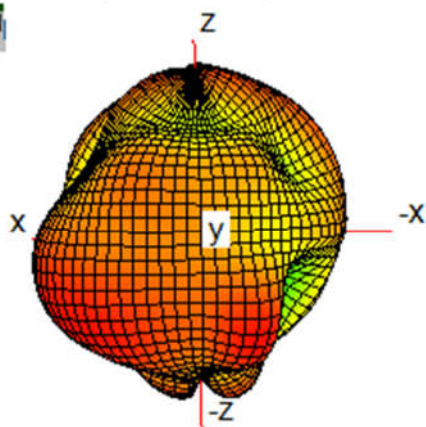
WIFI 5G (5500 MHz)



WIFI 5G (5800 MHz)



WIFI 6E (6500 MHz)



ANT6

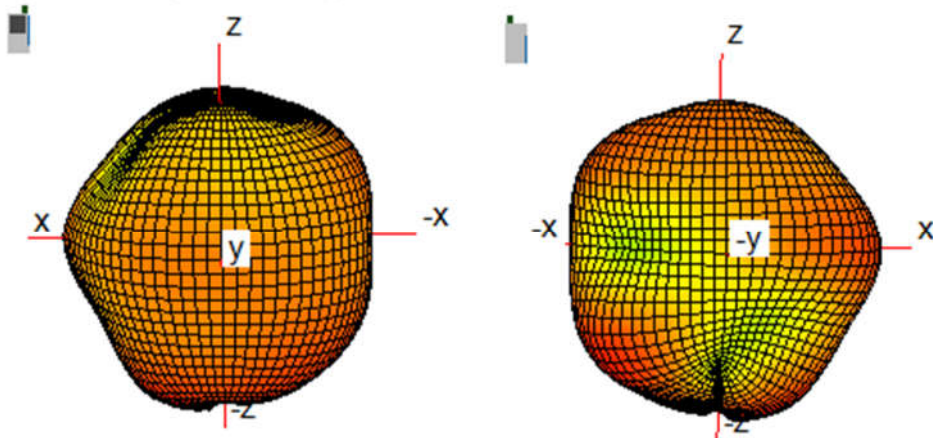
Antenna model name: MDA

Antenna type: IFA

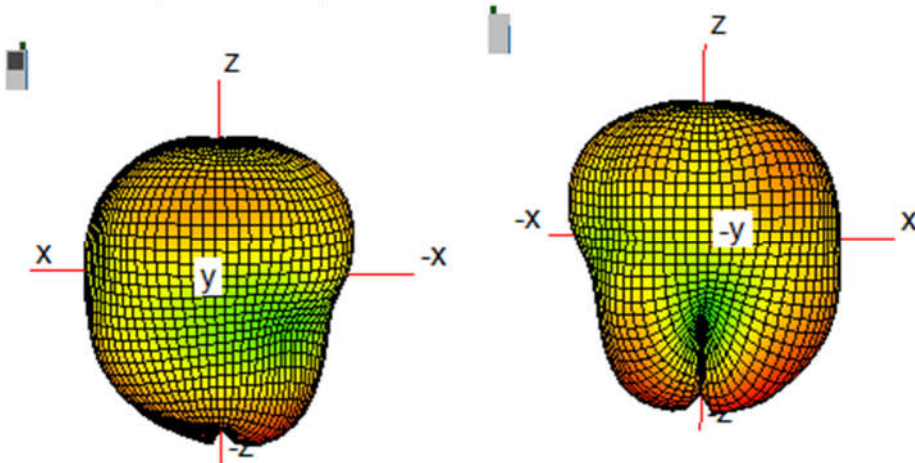
WIFI2G/5G/6E Peak Gain (dBi)			
2400~2483.5MHz	-2.2	5850~5925MHz	-5
5150~5250MHz	-5	5925~6425MHz	-5
5250~5350MHz	-5	6425~6525MHz	-5.1
5470~5725MHz	-5	6525~6875MHz	-5.6
5725~5850MHz	-5	6875~7125MHz	-5

(Rear view– Front view)

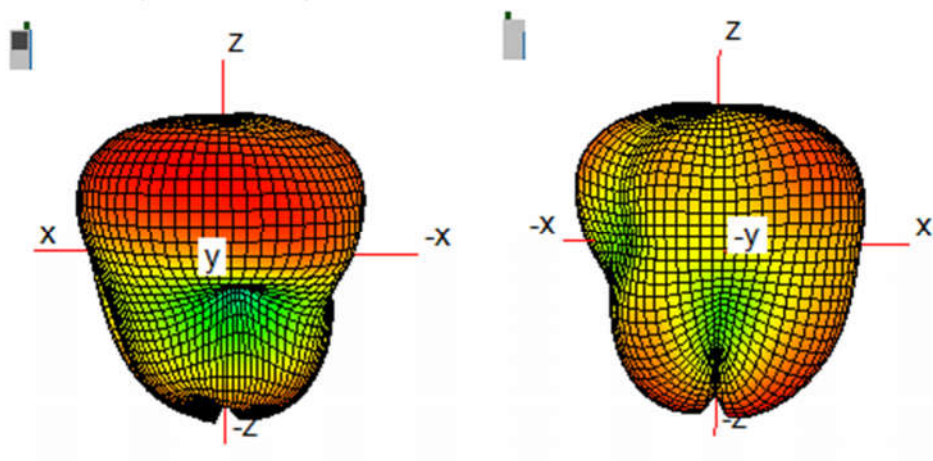
WIFI 2.4G (2450 MHz)



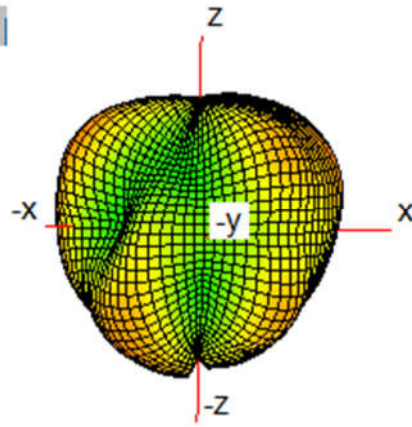
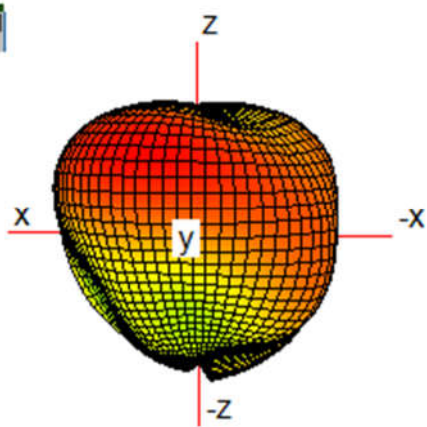
WIFI 5G (5150 MHz)



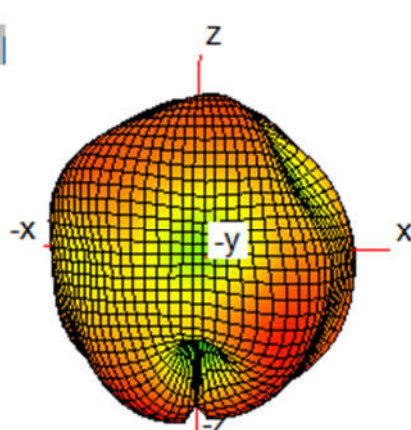
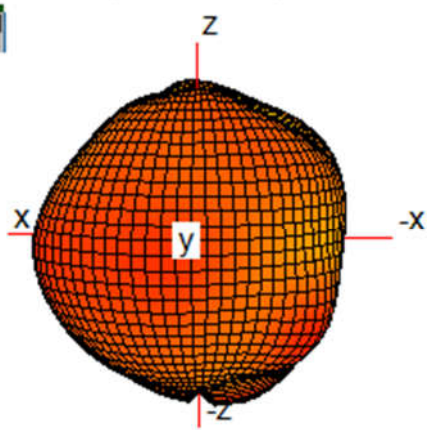
WIFI 5G (5300 MHz)



WIFI 5G (5500 MHz)



WIFI 5G (5800 MHz)



WIFI 6E (6500 MHz)

