
Antenna Reports

Company: Motorola Mobility LLC

Model name: XT2605-3

Issue date: 2025/12/5

Documented by:  _____

Antenna Summary Table

Check items	Information
Provided by lab	Motorola internal lab (by GTS RayZone2800)
Manufacturer/ Brand name	Motorola
Model name (Part number)	Midframe
Test environment	1. Motorola Shanghai RD team Lab with GTS2800 chamber 2.Anritsu MT8821C
Test Software	MaxSign Libra
Antenna detail info.	ANT3:GPS; WiFi 2.4G(1.575GHz,(2.4~2.5GHz), PIFA type ANT4: WiFi 5G (5.15~5.85GHz), PIFA type antenna. ANT6: WiFi5G (5.15~5.85GHz), PIFA type antenna. NFC Antenna: Differential port to excite LDS + Ferrite sheet with dimension 30.5 mm *20.5mm * 0.25mm, Loop type antenna.
Antenna gain test data	Included antenna frequency, gain pattern

List of test Equipment

Equipment	Calibrate date	Due date	Remark
GTS RayZone2800	On October 24, 2025	On October 24, 2026	N/A
Anritsu MT8821C	On May 16, 2025	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

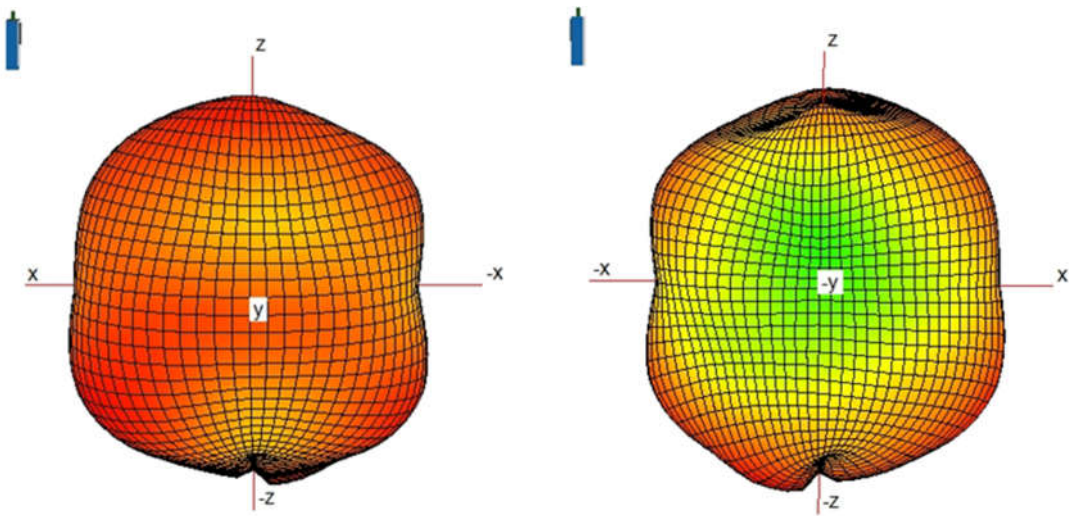
Antenna model name: Insert molding metal

Antenna type: PIFA

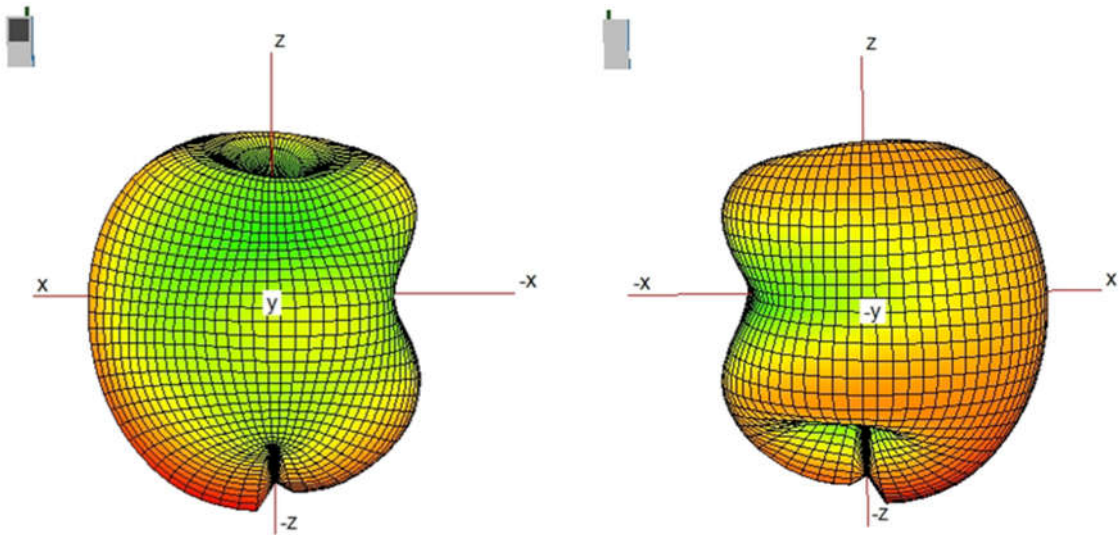
WLAN//BT/GPS Peak Gain (dBi)			
2400~2500MHz	-2.9	GPS 1575MHz	-2.8

(Rear view– Front view)

GPS 1575MHz



WIFI 2.4G (2450 MHz)



ANT4

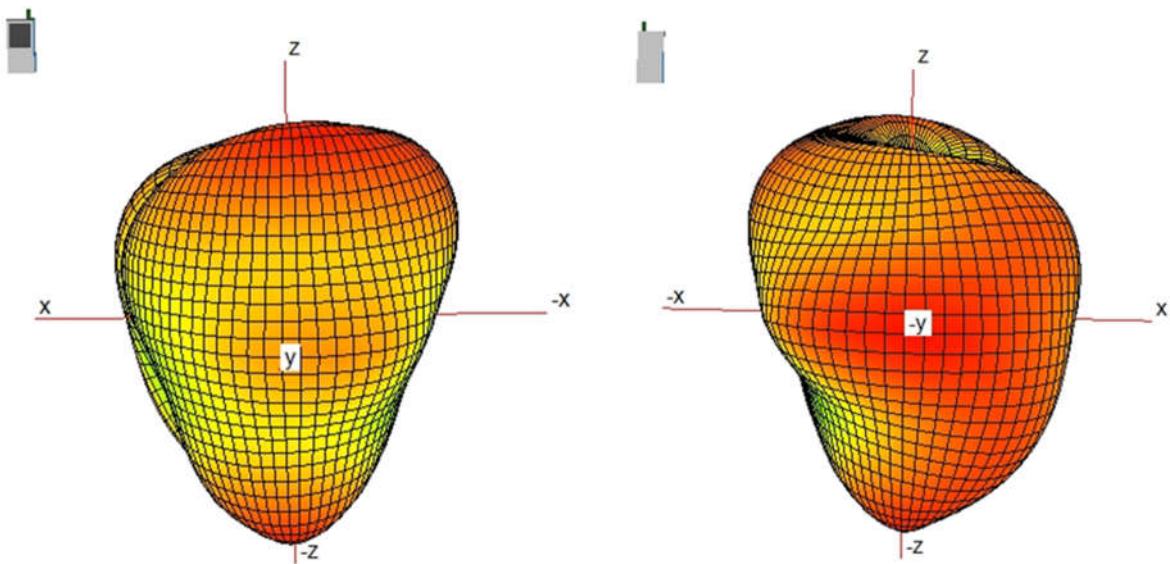
Antenna model name: Insert molding metal

Antenna type: PIFA

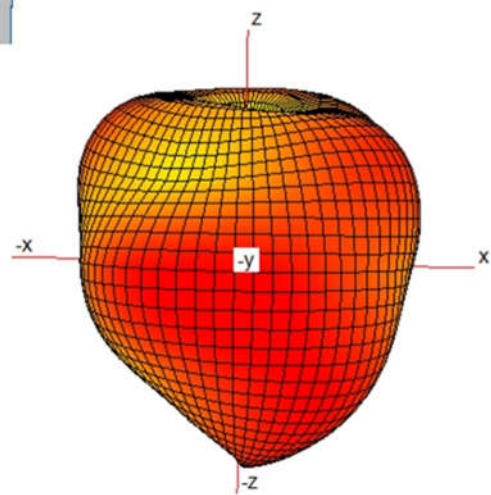
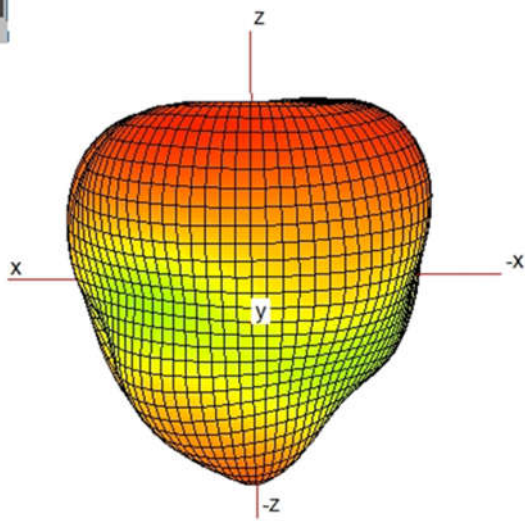
WLAN Peak Gain (dBi)			
5150~5250MHz	-4.1	6E UNII-5	-5.1
5250~5350MHz	-4.4	6E UNII-6	-5.9
5470~5725MHz	-4.5	6E UNII-7	-5.5
5725~5850MHz	-4.2	6E UNII-8	-6.3

(Rear view– Front view)

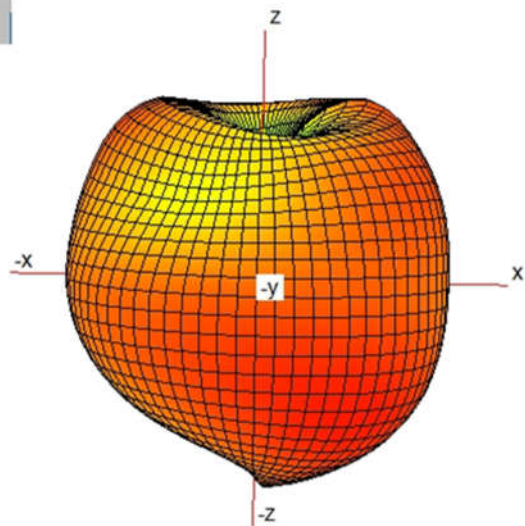
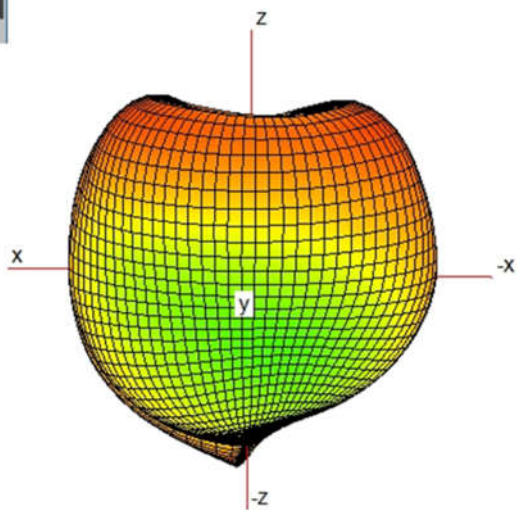
WIFI 5G (5150 MHz)



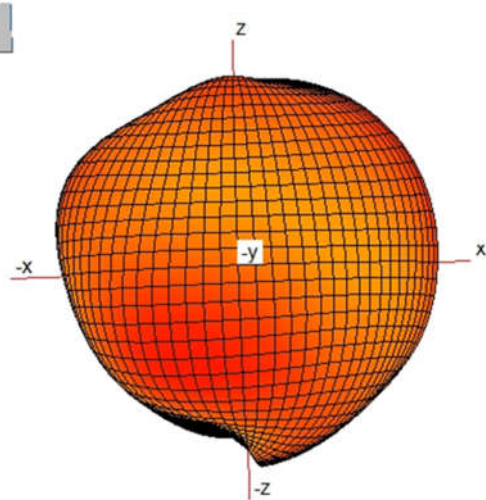
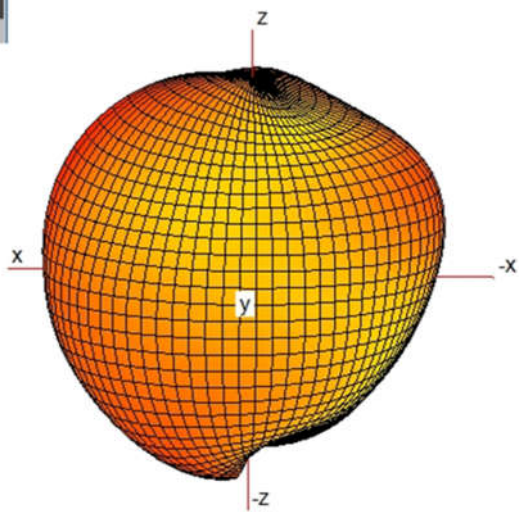
WIFI 5G (5300 MHz)



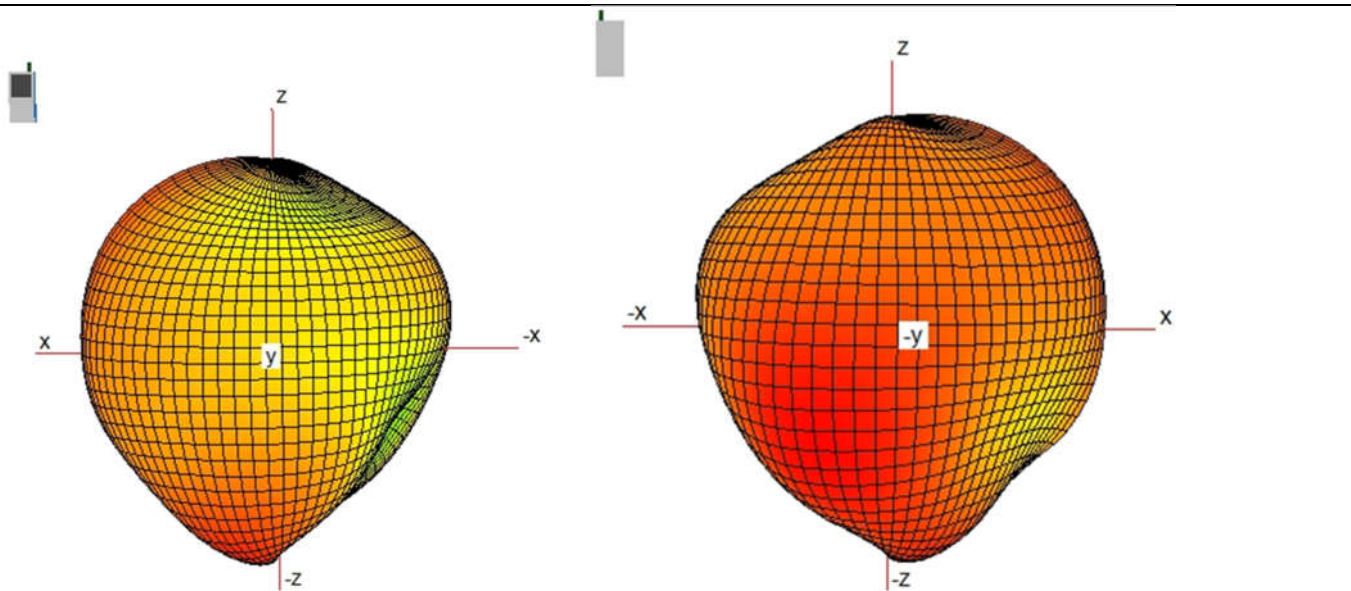
WIFI 5G (5500 MHz)



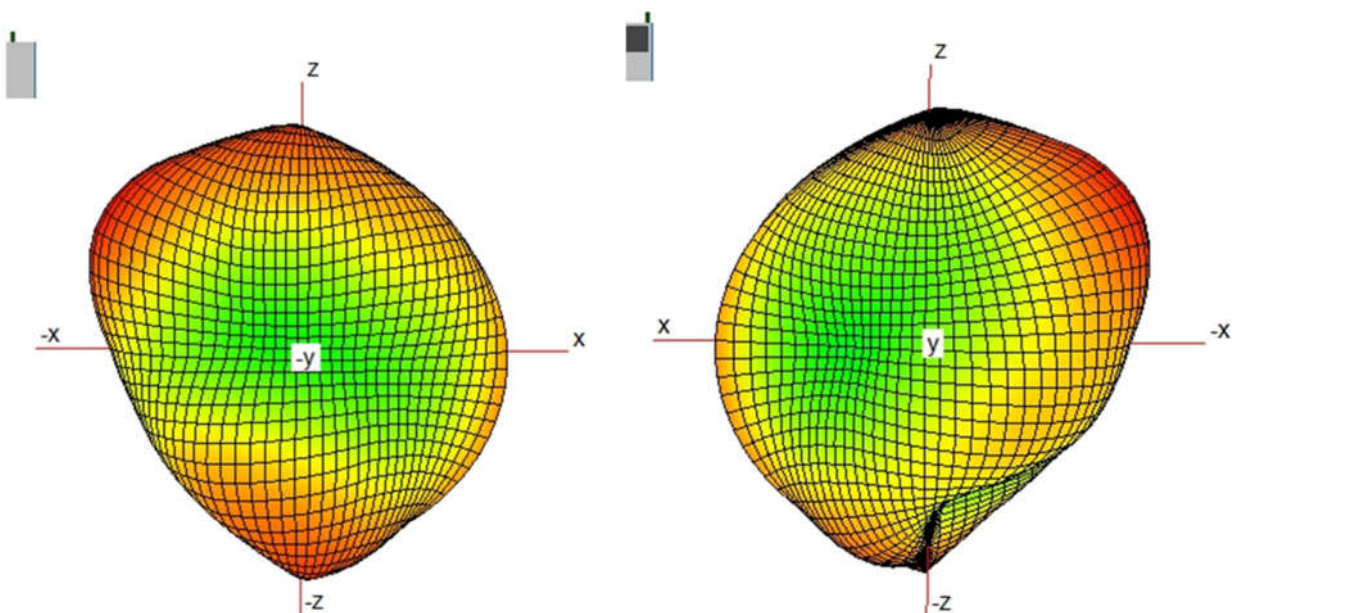
WIFI 5G (5800 MHz)



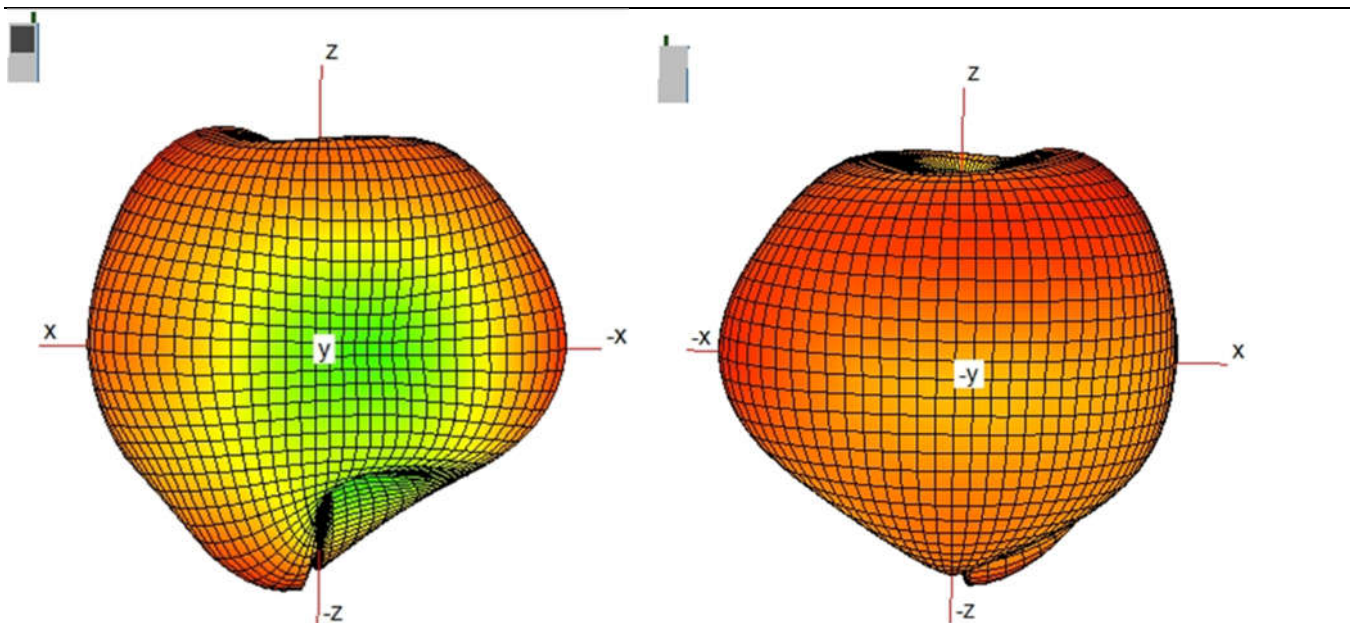
WIFI 6e (5925 MHz)



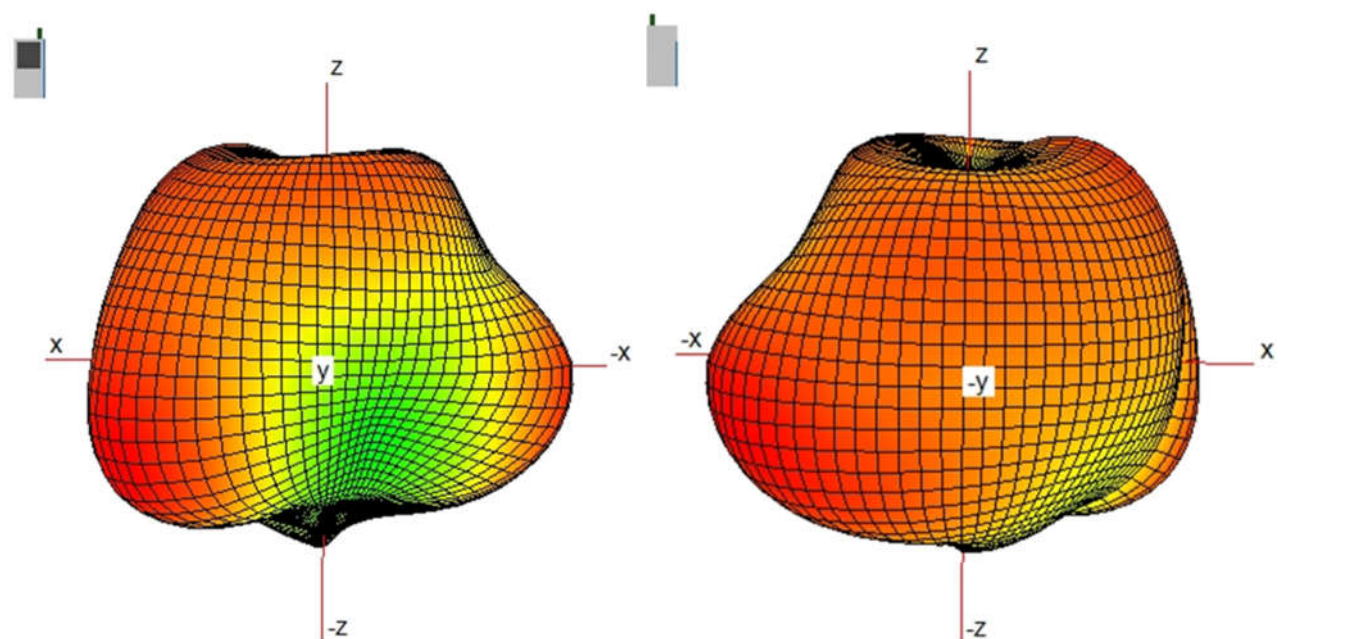
WiFi 6e (6425 MHz)



WiFi 6e (6865 MHz)



WIFI 6e (7125 MHz)



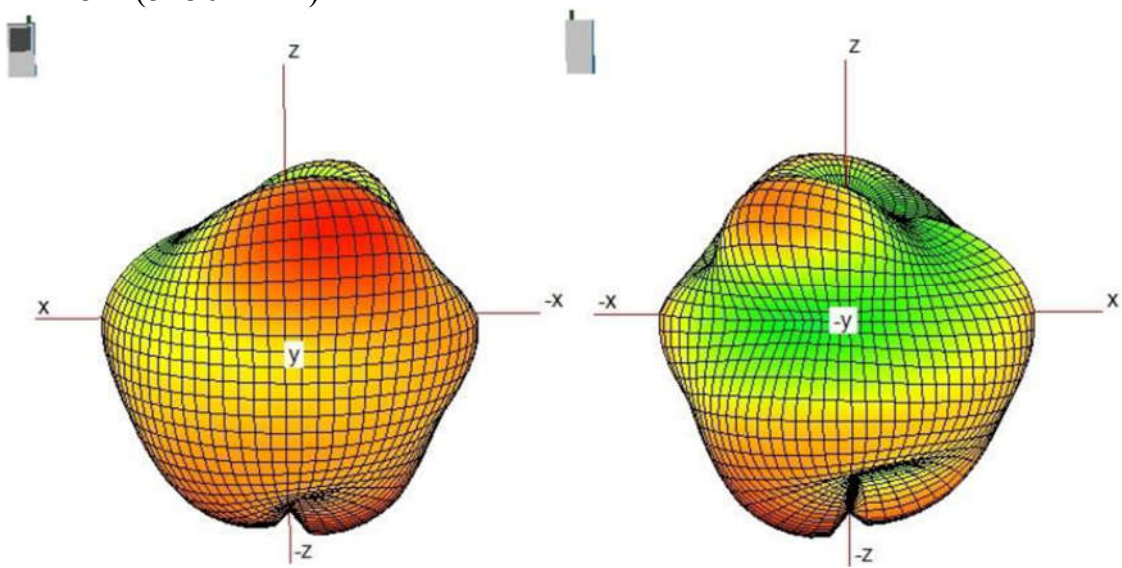
ANT6

Antenna model name: Insert molding metal

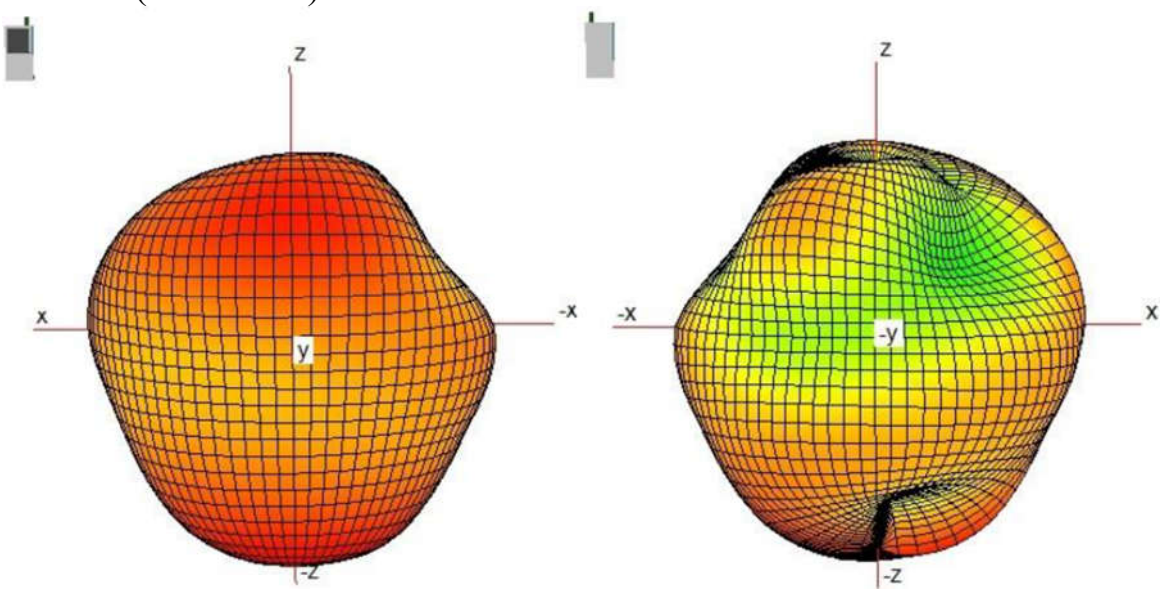
Antenna type: PIFA

WLAN Peak Gain (dBi)			
5150~5250MHz	-5.2	6E UNII-5	-6.6
5250~5350MHz	-5.3	6E UNII-6	-6.8
5470~5725MHz	-5.7	6E UNII-7	-6.7
5725~5850MHz	-5.1	6E UNII-8	-7.3

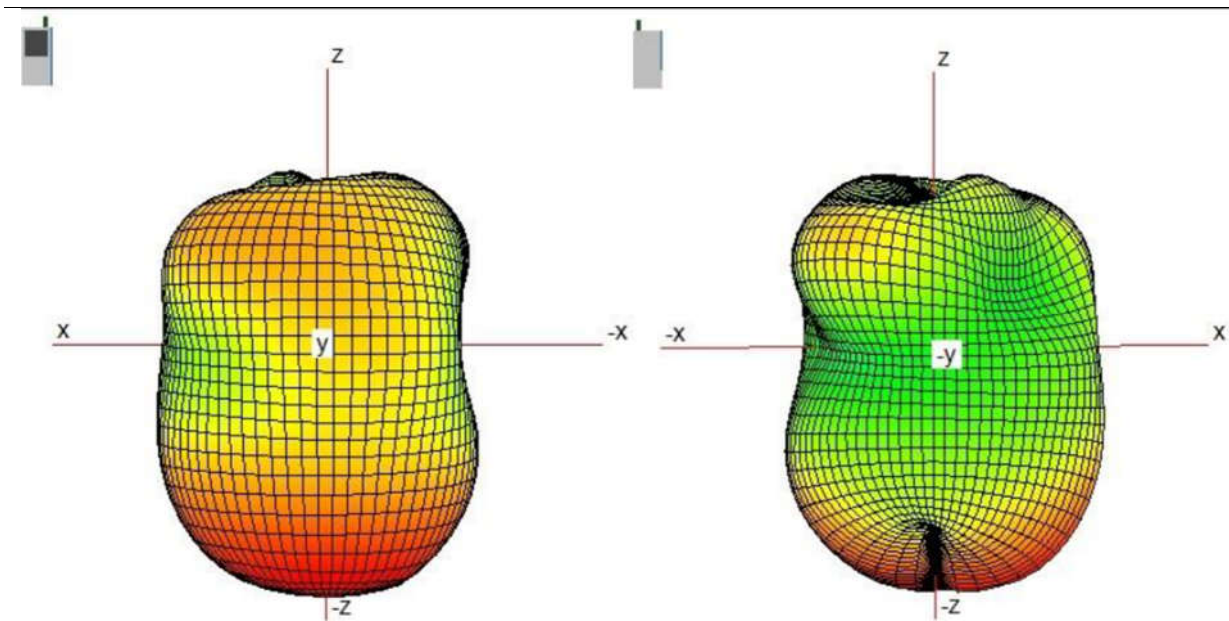
WIFI 5G (5150 MHz)



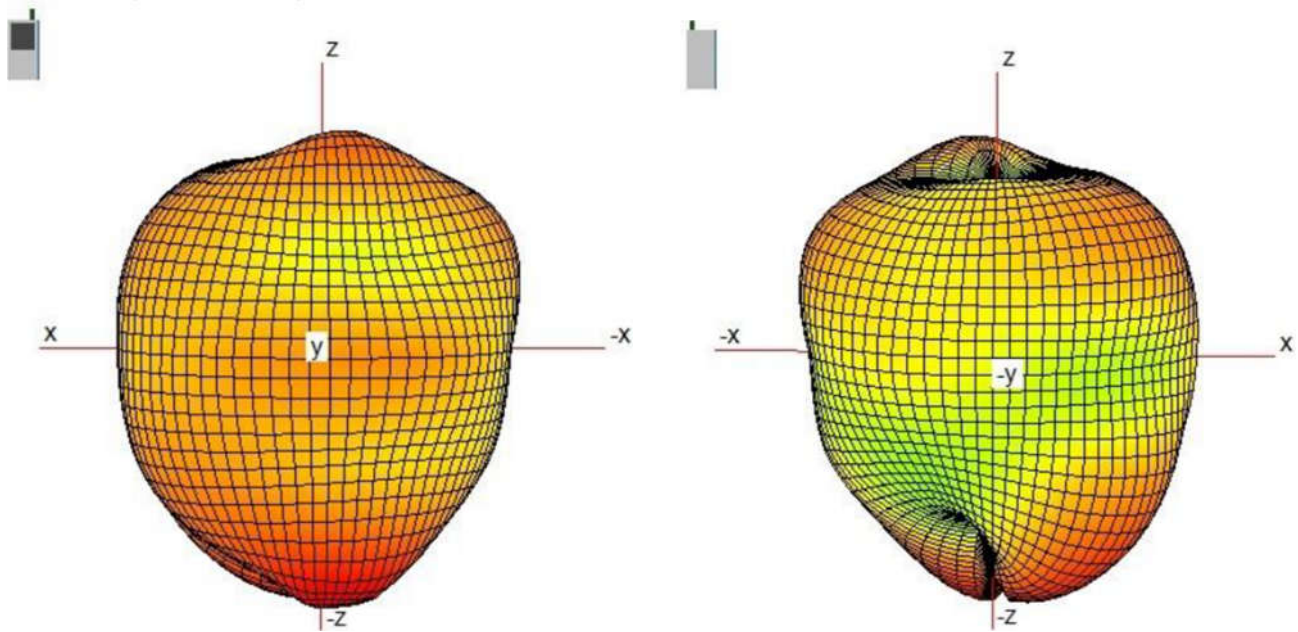
WIFI 5G (5300 MHz)



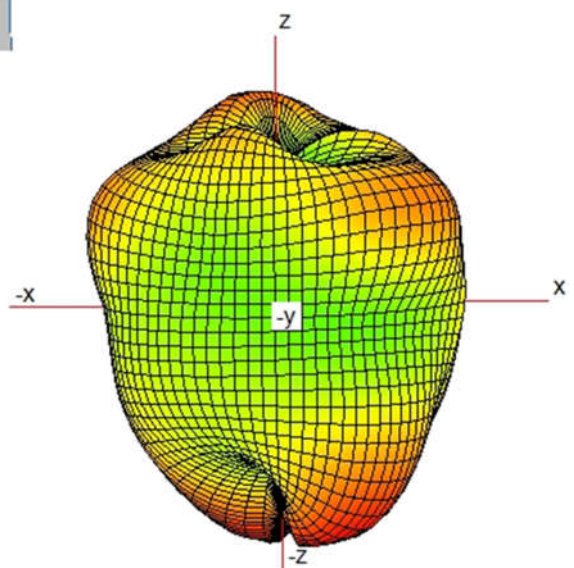
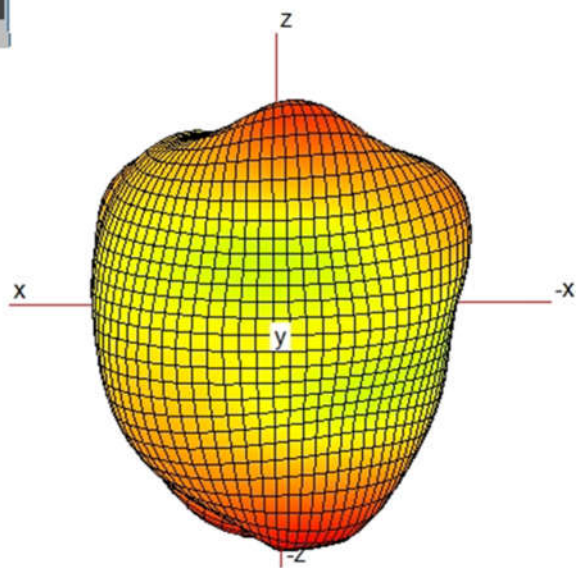
WIFI 5G (5500 MHz)



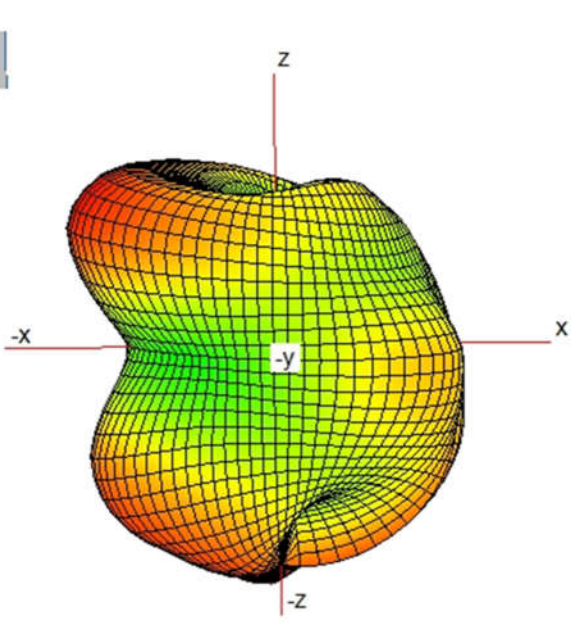
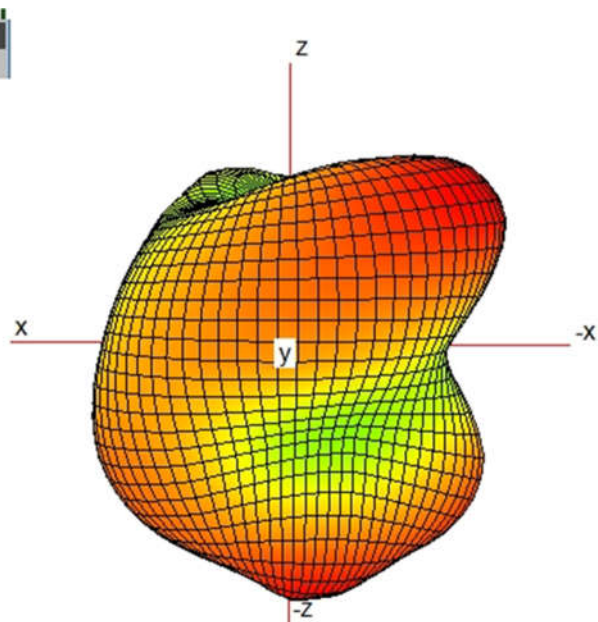
WIFI 5G (5800 MHz)



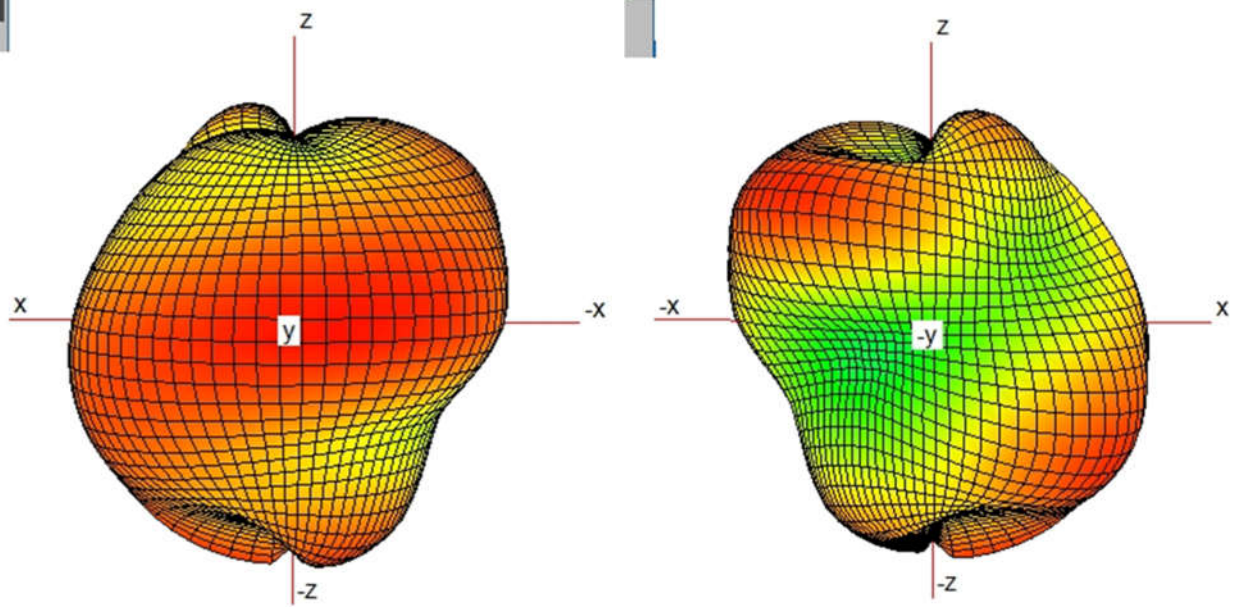
WIFI 6e (5925 MHz)



WIFI 6e (6425 MHz)



WIFI 6e (6865 MHz)



WIFI 6e (7125 MHz)

