
Antenna Reports

Company: Motorola Mobility LLC

Model name: XT2607-1

Issue date: 2026/01/21

Documented by:

A rectangular box containing a handwritten signature in cursive script that reads "Cangxia".

Antenna Summary Table

Check items	Information
Provided by lab	Motorola internal lab (GTS)
Manufacturer/ Brand name	Motorola
Model name (Part number)	Insert molding metal and LDS
Test environment	1. Motorola Xiamen RD team Lab with GTS2800 chamber 2. MT8821C
Test software	MaxSign Libra
List of calibrated test equipment	GTS2800 with calibrated date: On November 7, 2023
Antenna detail info.	Show WLAN/BT/ NFC/WPT only, no WWAN ANT3: GPS; WiFi 2.4G(1.575GHz,(2.4~2.5GHz), IFA type ANT5: WiFi 5G /6e (5.15~5.85GHz, 5.925~7.125 GHz), IFA type antenna. ANT6:WiFi 2.4G(1.575GHz,(2.4~2.5GHz), Monopole type ANT7: WiFi 5G /6e (5.15~5.85GHz, 5.925~7.125 GHz), LOOP type antenna. NFC Antenna: FPC + Ferrite + Metal Arm, LOOP type antenna WLC antenna: FPC and dimensions 48 mm *48mm, LOOP type antenna
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.

List of test Equipment

Equipment	Calibrate date	Due date	Remark
GTS RayZone2800	On November 7, 2023	On November 6, 2026	N/A
MT8821C	On November 4, 2024	On November 3, 2025	N/A

Antenna Test data:

ANT3

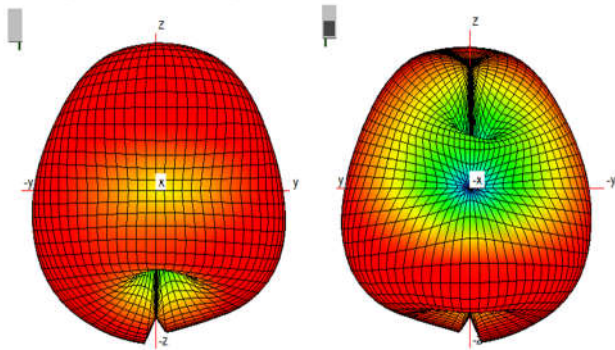
Antenna model name: Insert molding metal

Antenna type: IFA

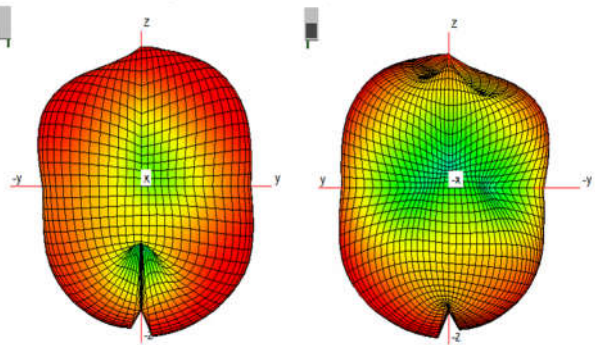
GPS +BT/WLAN Peak Gain (dBi)			
1575MHz	-5.8	2400~2483.5MHz	-7.04
GPS +BT/WLAN Peak Gain (dBi)			

(Rear view– Front view)

GPS (1575 MHz)



WIFI 2.4G (2450 MHz)



ANT5

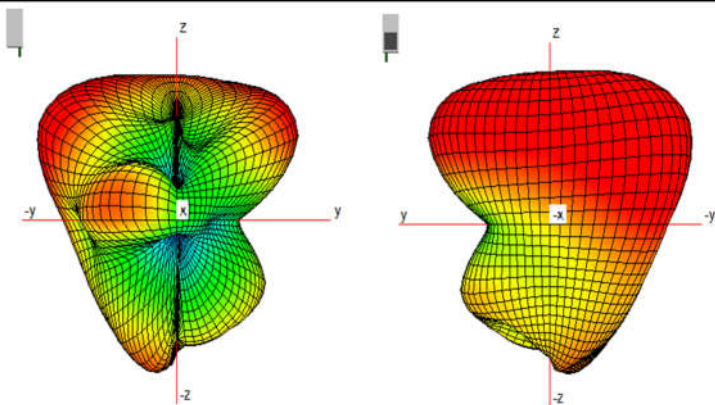
Antenna model name: Insert molding metal

Antenna type: IFA

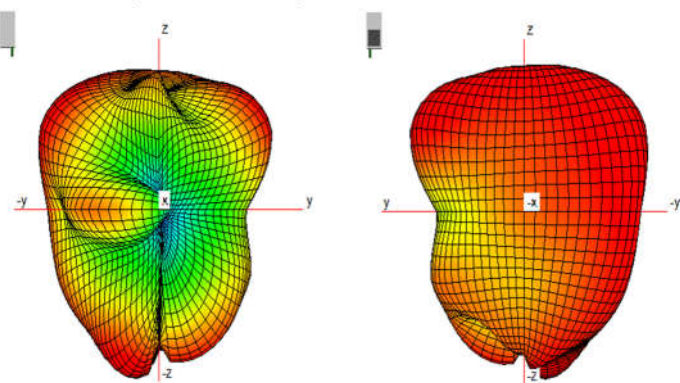
Peak Gain (dBi)			
2400~2483.5MHz		5850~5925MHz	-6.51
5150~5250MHz	-6.93	5925~6425MHz	-6.32
5250~5350MHz	-6.68	6425~6525MHz	-6.69
5470~5725MHz	-7.33	6525~6875MHz	-6.42
5725~5850MHz	-8.53	6875~7125MHz	-6.18

(Rear view– Front view)

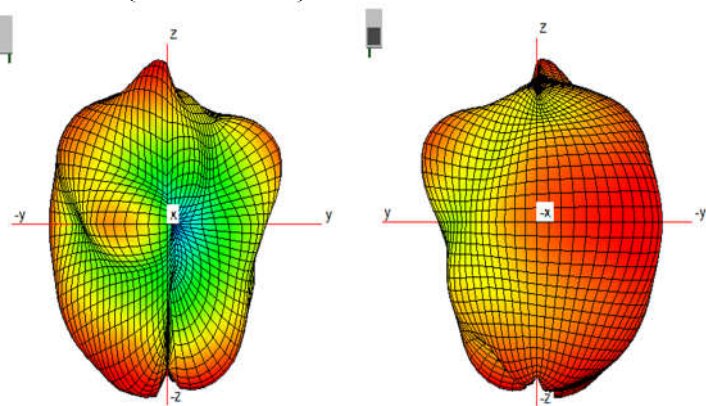
WIFI 5G (5200 MHz)



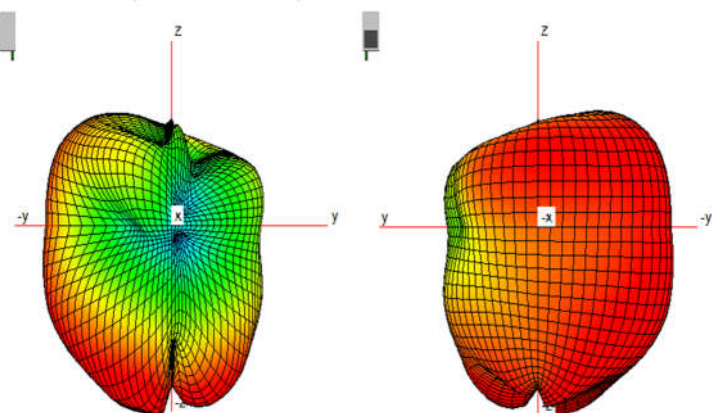
WiFi 5G (5300 MHz)



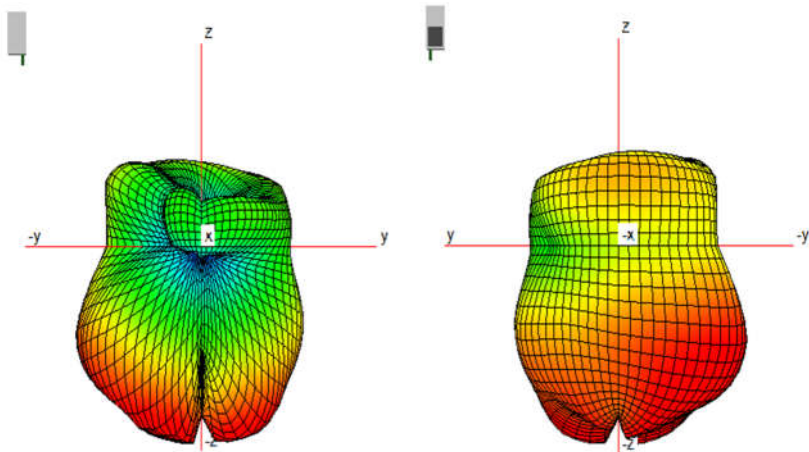
WiFi 5G (5500 MHz)



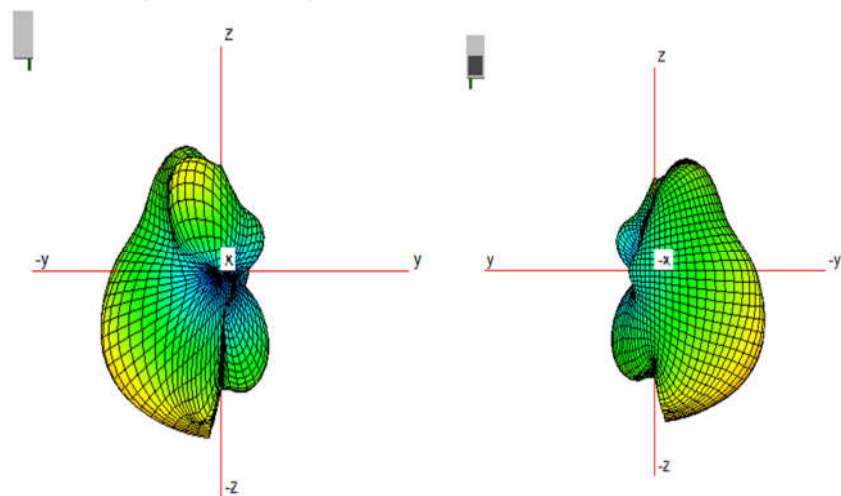
WiFi 5G (5800 MHz)



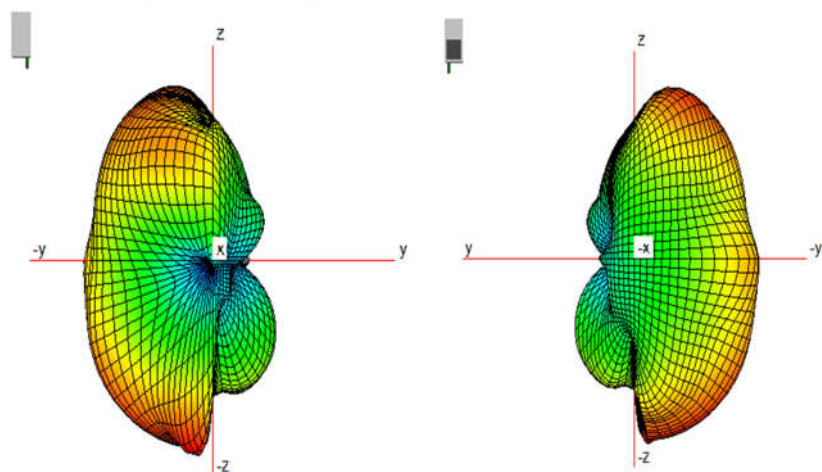
WiFi 5G (5900 MHz)



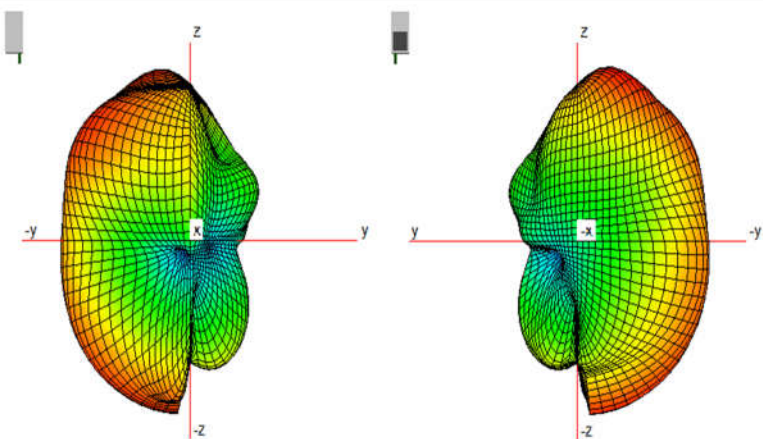
WIFI 5G (6300 MHz)



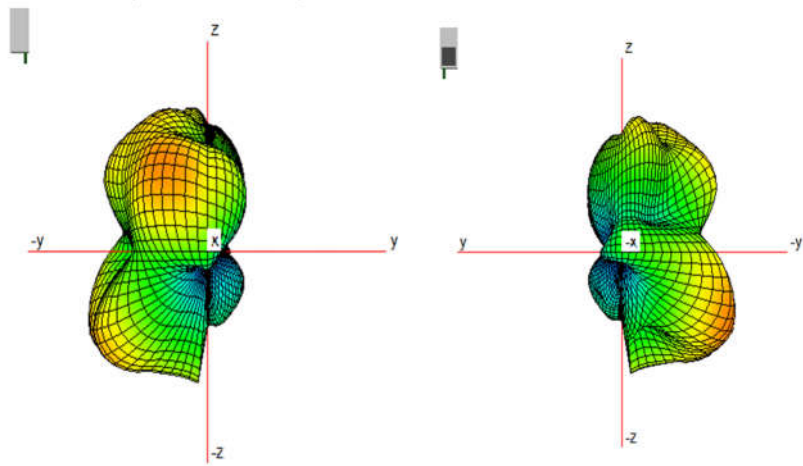
WIFI 5G (6500 MHz)



WIFI 5G (6700 MHz)



WIFI 5G (7000 MHz)

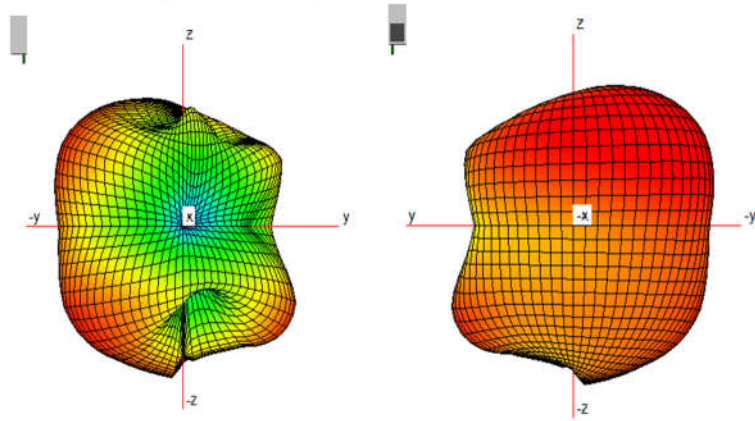


ANT6

Antenna model name: Insert molding metal
 Antenna type: Monopole

WLAN Peak Gain (dBi)	
2400~2483.5MHz	-7.32
GPS +BT/WLAN Peak Gain (dBi)	

(Rear view– Front view)
 WIFI 2.4G (2450 MHz)



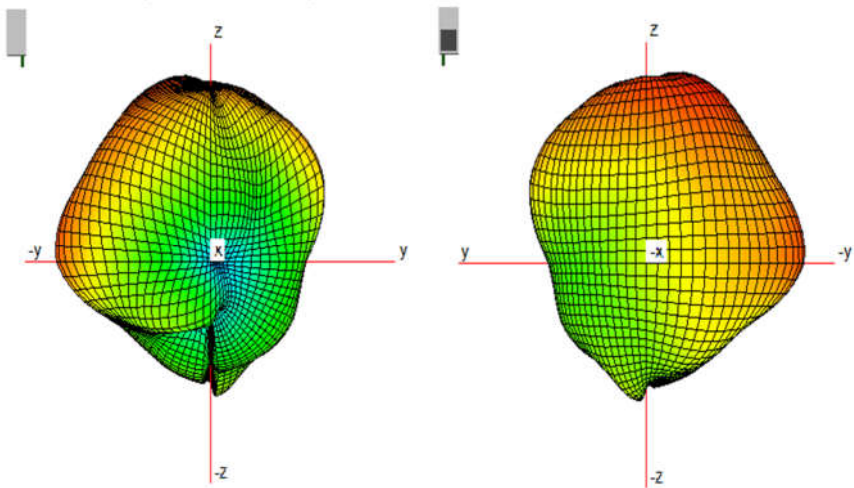
ANT7

Antenna model name: Insert molding metal

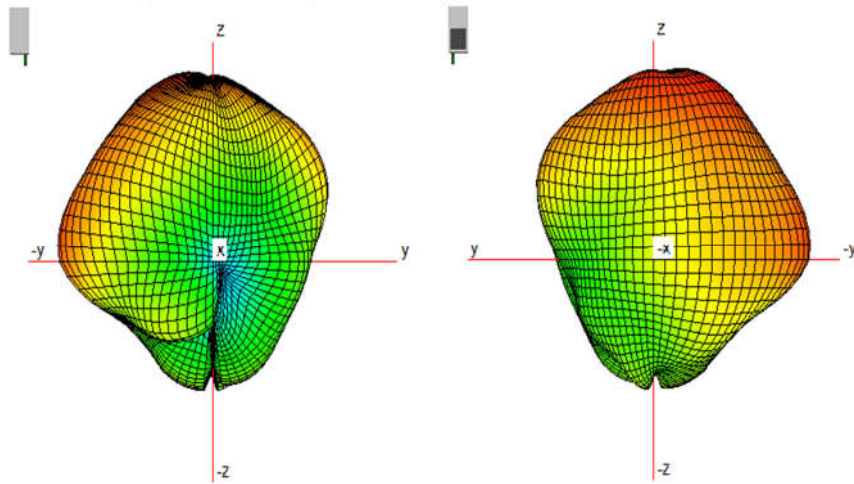
Antenna type: Loop

Peak Gain (dBi)			
2400~2483.5MHz		5850~5925MHz	-6.6
5150~5250MHz	-7.6	5925~6425MHz	-6.59
5250~5350MHz	-7.43	6425~6525MHz	-6.5
5470~5725MHz	-7.28	6525~6875MHz	-6.1
5725~5850MHz	-8.69	6875~7125MHz	-6.37

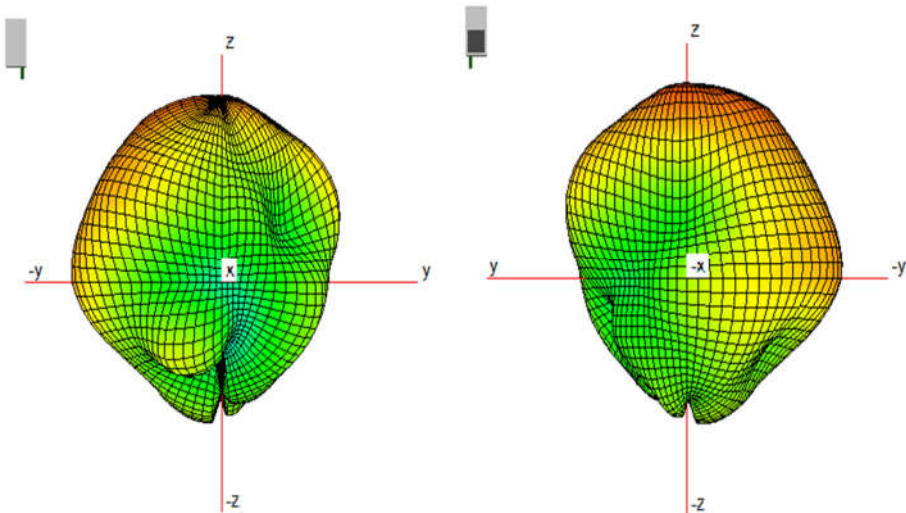
(Rear view– Front view)
WIFI 5G (5200 MHz)



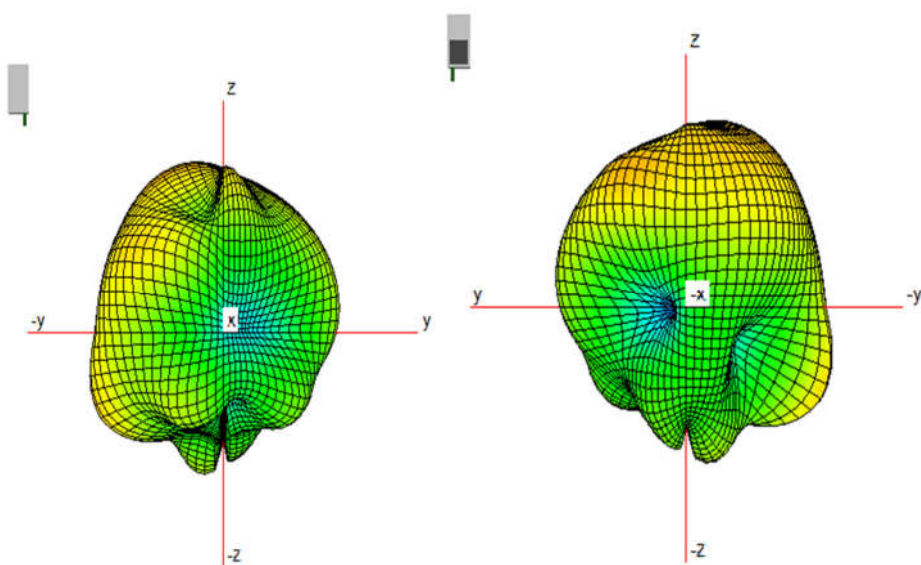
WIFI 5G (5300 MHz)



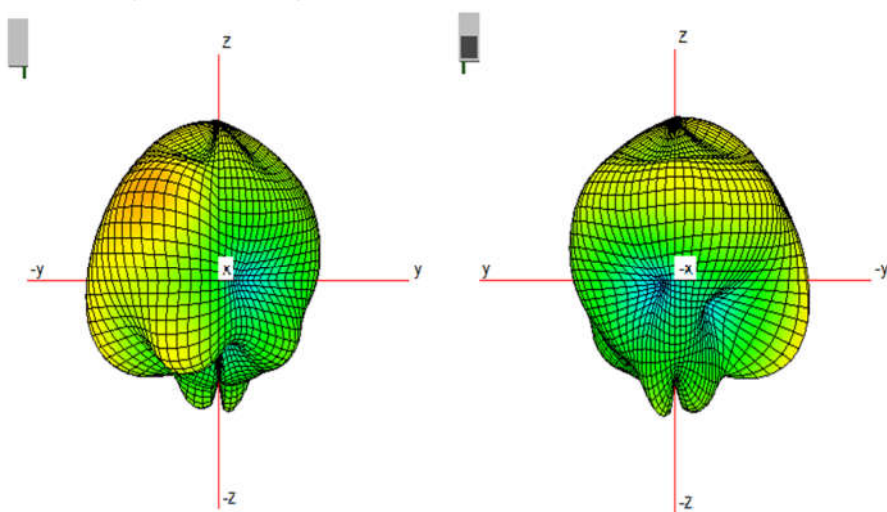
WIFI 5G (5500 MHz)



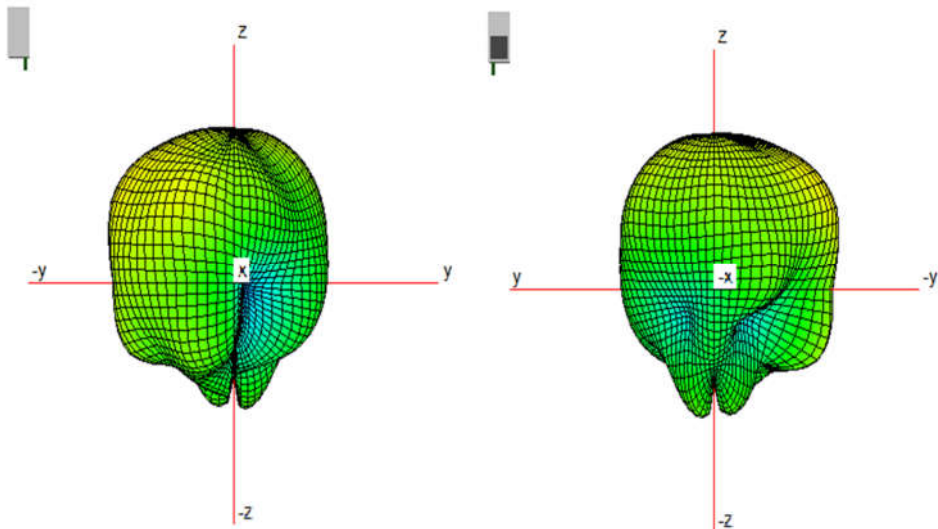
WIFI 5G (5800 MHz)



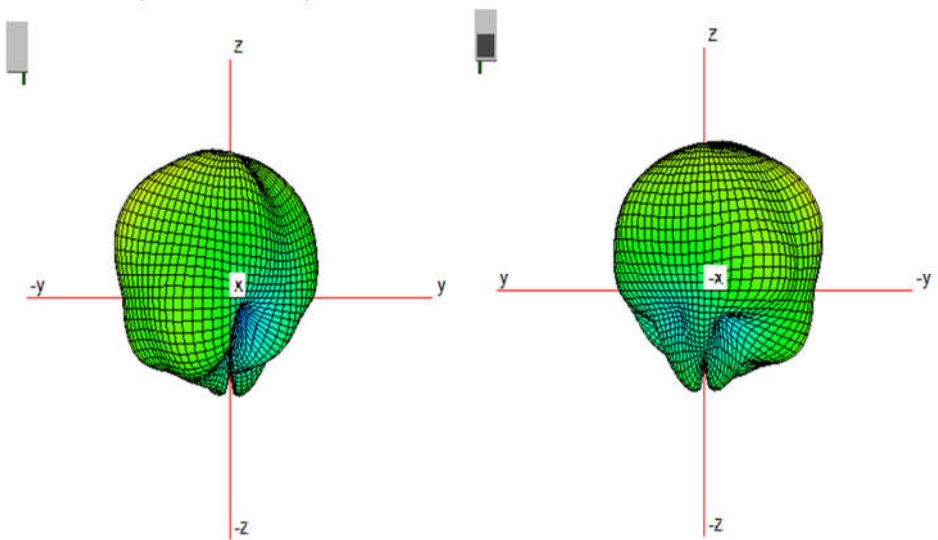
WIFI 5G (5900 MHz)



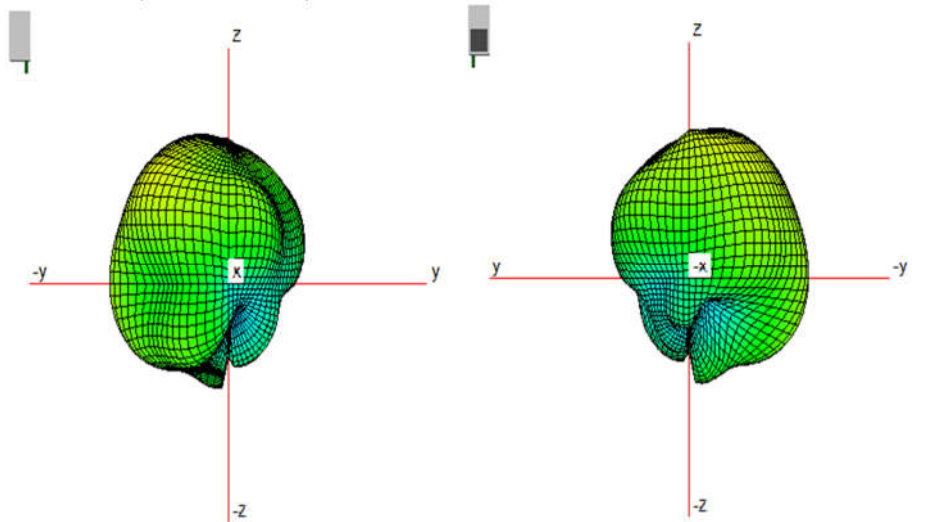
WIFI 5G (6300 MHz)



WiFi 5G (6500 MHz)



WiFi 5G (6700 MHz)



WiFi 5G (7000 MHz)

