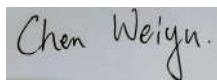

Antenna Reports

Main Antenna vendor: Motorola

Test lab: Motorola internal lab (by GTS2800/ GTS1800)

Issue date: 2024/12/23

Documented by: ___Chen Weiyu___

A rectangular box containing a handwritten signature in black ink that reads "Chen Weiyu".

Antenna Summary Table

Check items	Information
Provided by lab	Motorola internal lab (by GTS RayZone2800)
Manufacturer/ Brand name	Motorola
Manufacturer address	222 W,Merchandise Mart Plaza, Chicago IL 60654 USA
Model name (Part number)	Midframe/LDS
Test environment	Motorola XM RD team Lab with GTS2800 chamber Motorola XM RD team Lab with GTS1800 chamber
Test software	MaxSign Libra
List of calibrated test equipment	GTS2800 with calibrated date: On November 4,2024,due data:November 3,2025 GTS1800 with calibrated date: On November 4,2024,due data:November 3,2025
Antenna detail info.	ANT3: WiFi 2.4G antenna (2.4~2.5GHz) CH0, PIFA type antenna. ANT2: WiFi 2.4G antenna (2.4~2.5GHz) CH1, PIFA type antenna. ANT8:WiFi 5G antenna(5.15~5.85GHz, 5.925~7.125GHz) CH0, PIFA type antenna. ANT5:WiFi 5G antenna(5.15~5.85GHz, 5.925~7.125GHz) CH1,monopole type antenna. NFC Antenna: Loop type Antenna Differential port to excite LDS coil + Ferrite sheet with dimension 472 mm^3
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.

Antenna Test data:

ANT3

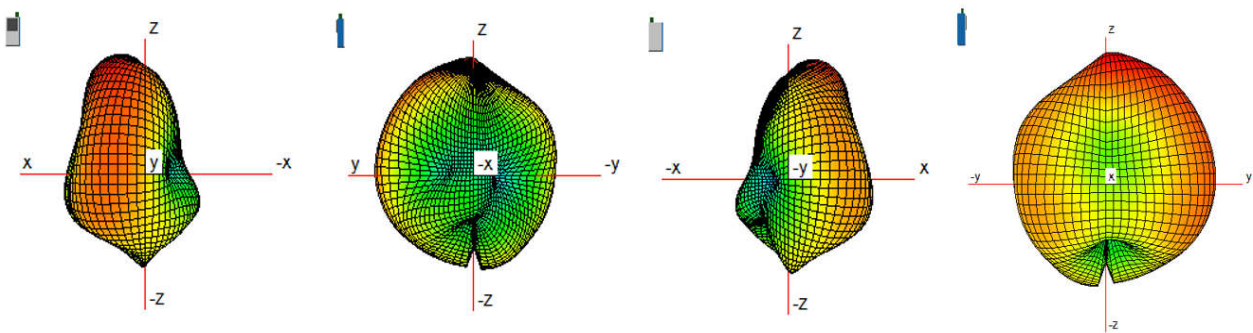
Antenna model name: Midframe

Antenna type: PIFA

BT/WLAN 2.4G CH0 Peak Gain (dBi)	
2400~2483.5MHz	-5.4

ANT3 - WiFi 2.4G CH0

2450MHz



ANT2

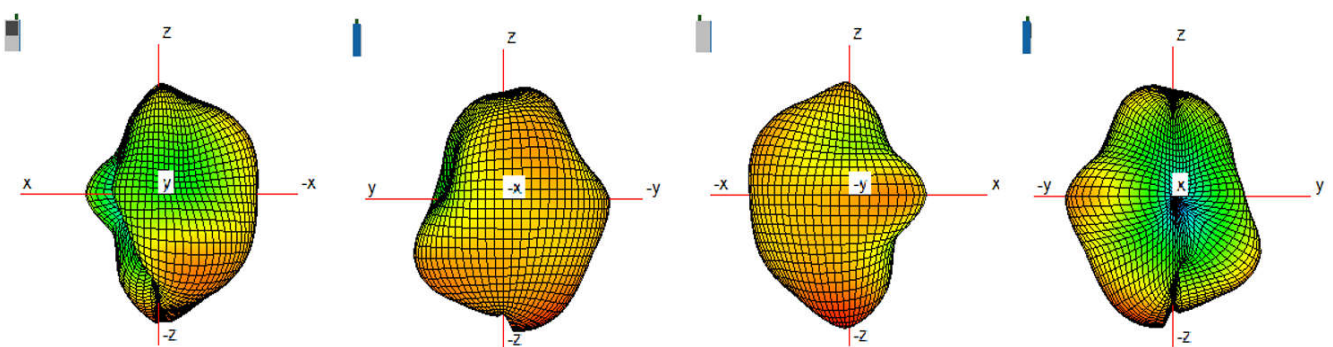
Antenna model name: Midframe

Antenna type: PIFA

BT/WLAN 2.4G CH1 Peak Gain (dBi)	
2400~2483.5MHz	-4.8

ANT2 - WiFi 2.4G CH1

2450MHz



ANT8

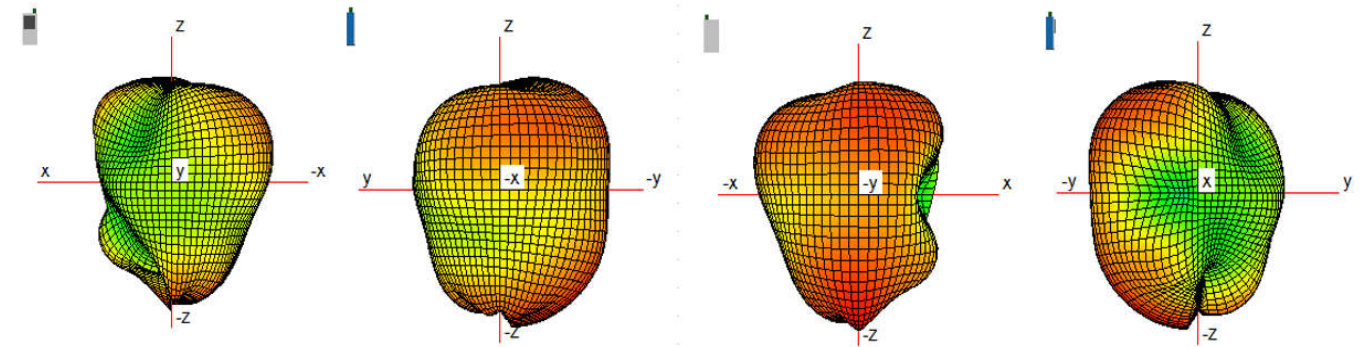
Antenna model name: Midframe

Antenna type: PIFA

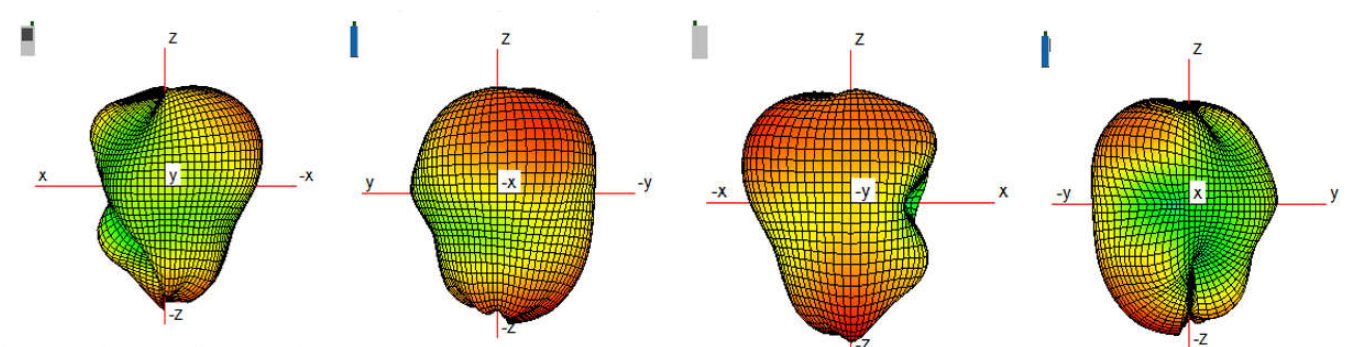
WLAN 5G/6E CH0 Peak Gain (dBi)			
5150~5250MHz	-7 dBi	5925~6425MHz	-6 dBi
5250~5350MHz	-7 dBi	6425~6525MHz	-8 dBi
5470~5725MHz	-6.5 dBi	6525~6875MHz	-9 dBi
5725~5850MHz	-8 dBi	6875~7125MHz	-9 dBi

ANT8 - WiFi 5G/6E CH0

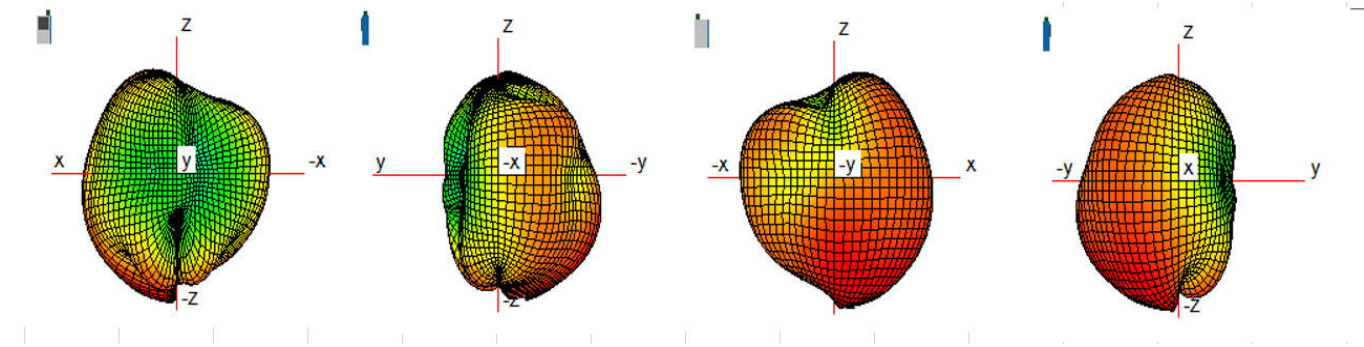
5200MHz



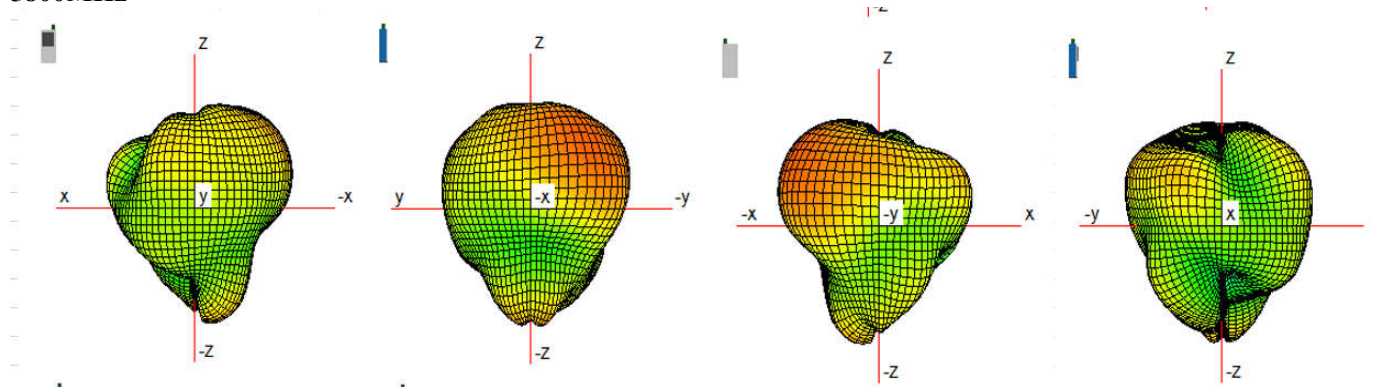
5300MHz



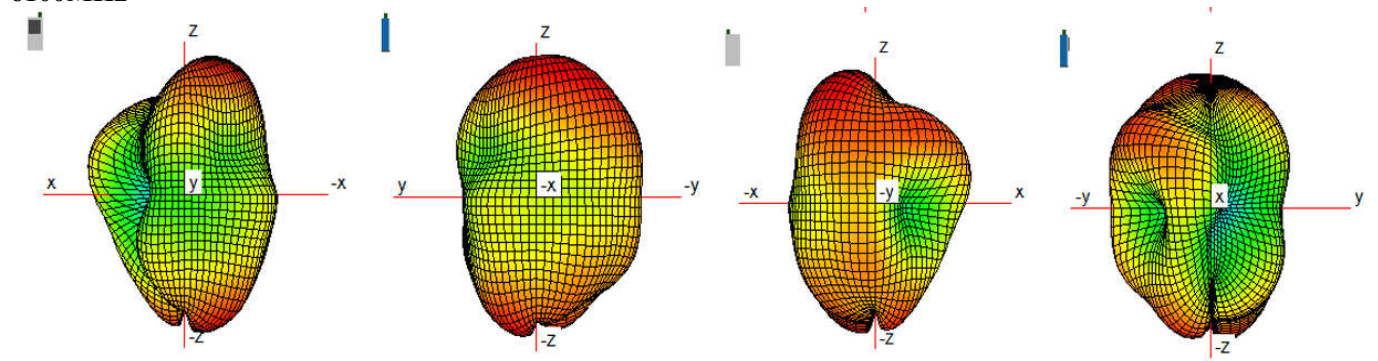
5500MHz



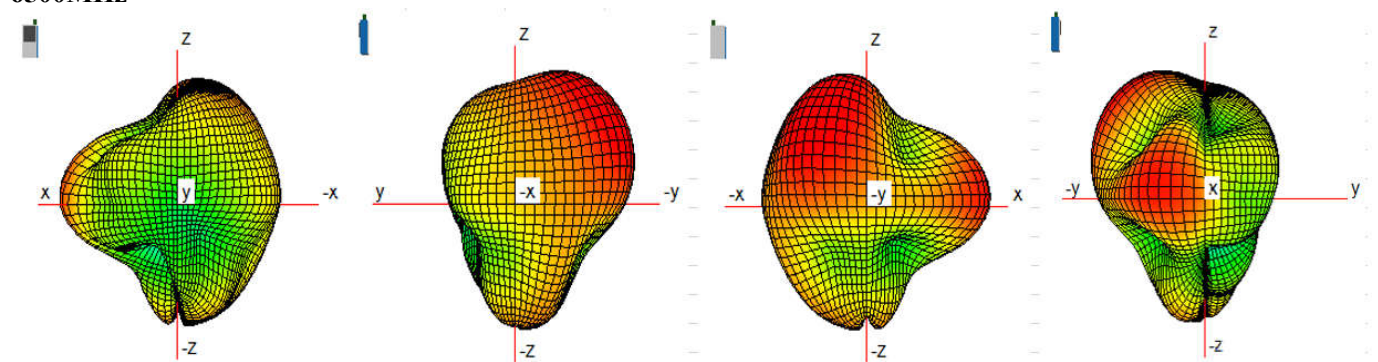
5800MHz



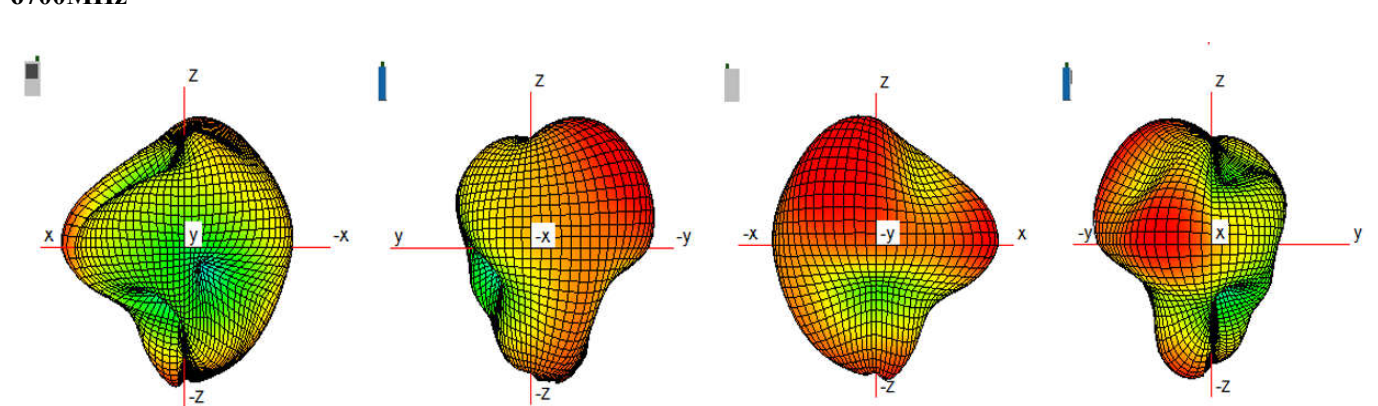
6100MHz



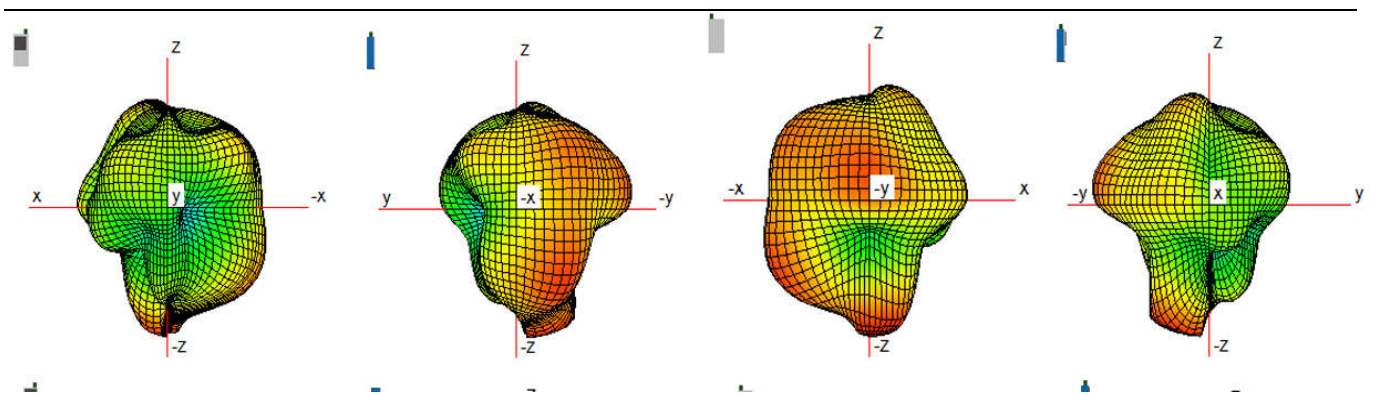
6500MHz



6700MHz



7000MHz



ANT5

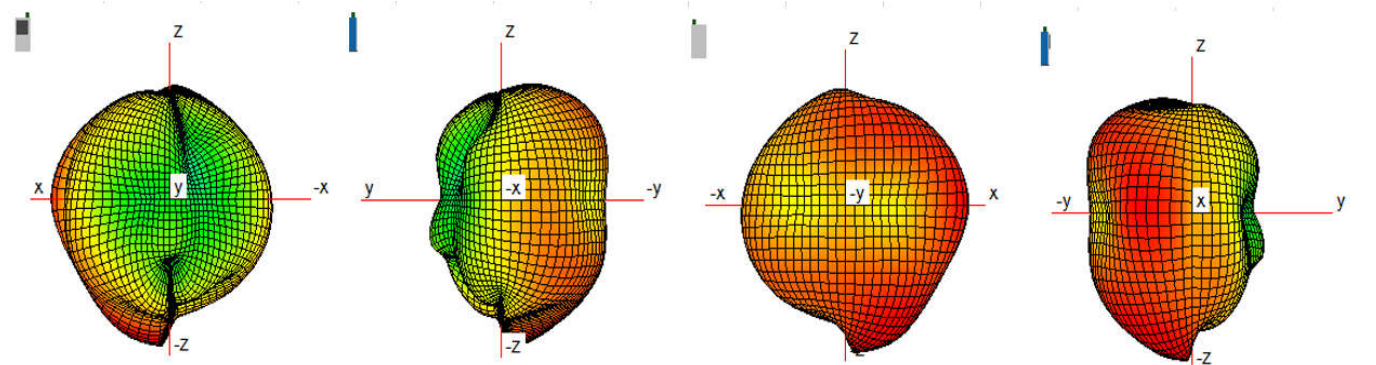
Antenna model name: LDS

Antenna type: Monopole antenna

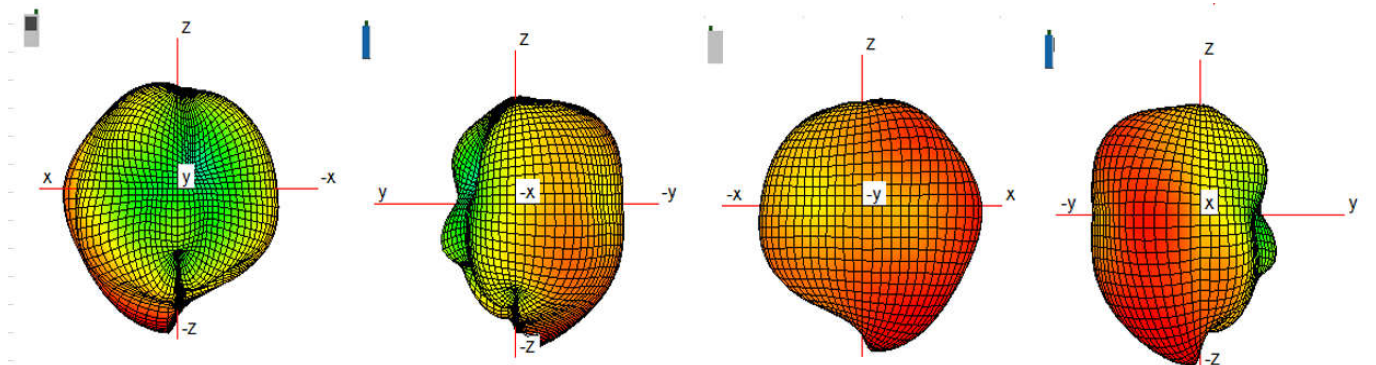
WLAN 5G/6E CH1 Peak Gain (dBi)			
5150~5250MHz	-7 dBi	5925~6425MHz	-7 dBi
5250~5350MHz	-7 dBi	6425~6525MHz	-6 dBi
5470~5725MHz	-6.5 dBi	6525~6875MHz	-7.5 dBi
5725~5850MHz	-7.5 dBi	6875~7125MHz	-7.5 dBi

ANT5 - WiFi 5G/6E CH1

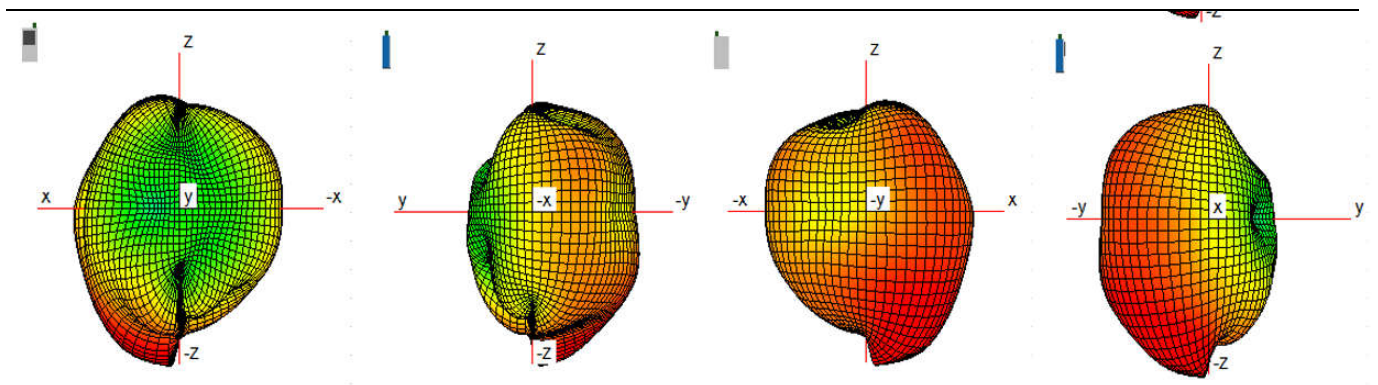
5200MHz



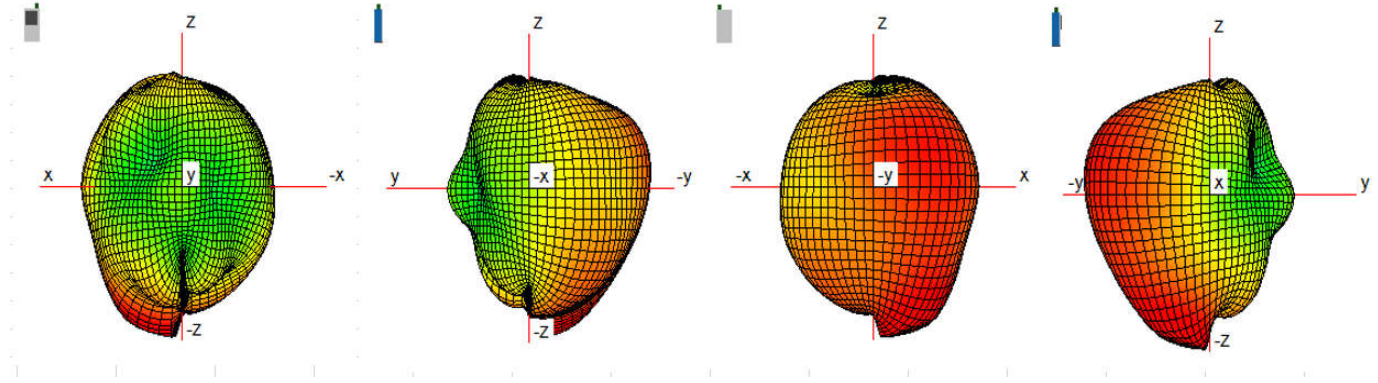
5300MHz



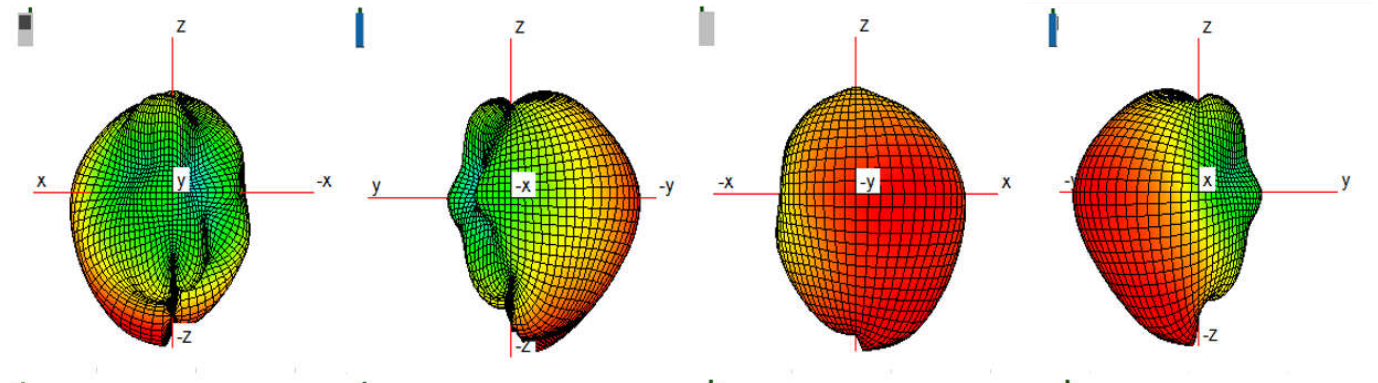
5500MHz



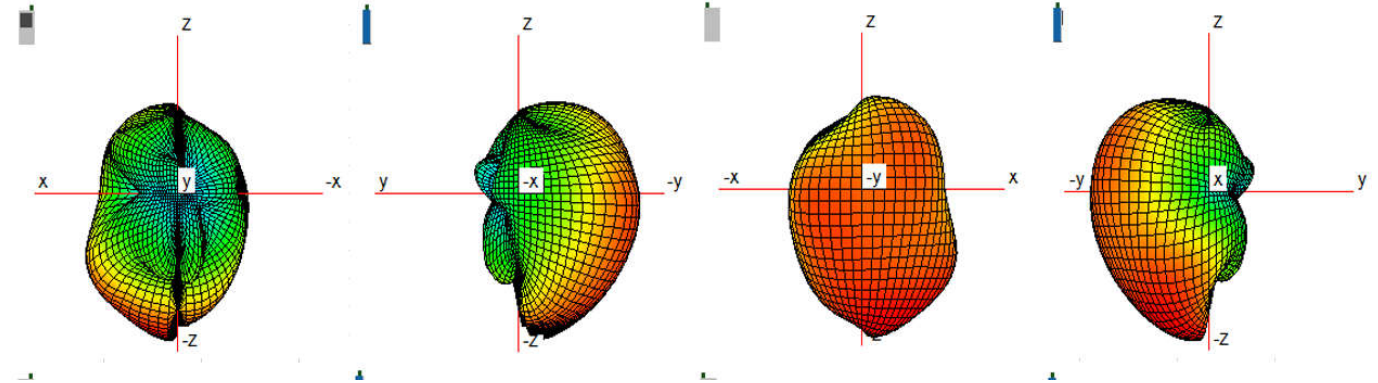
5800MHz



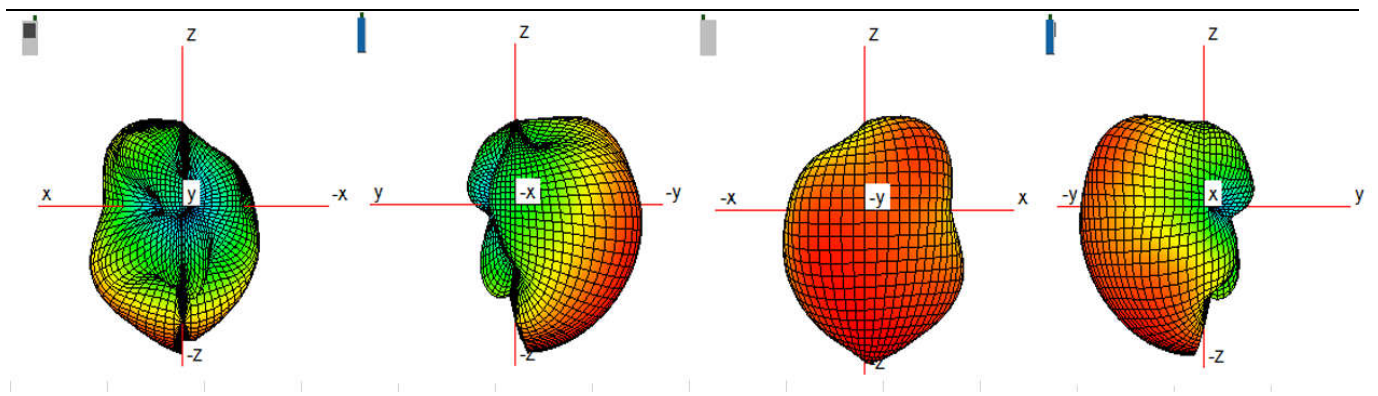
6100MHz



6500MHz



6700MHz



7000MHz

