
Antenna Reports

Main Antenna vendor: Motorola

Test lab: Motorola internal lab (by GTS RayZone1800)

Antenna model name: Midframe

Issue date: 2024/05/13

Liu Ruiming

Signature :

Liu Ruiming

Antenna Summary Table

Check items	Information
Provided by lab	Motorola internal lab (GTS1800)
Manufacturer/ Brand name	Motorola
Manufacturer address	222 W,Merchandise Mart Plaza, Chicago IL 60654 USA
Test environment	Motorola XM RD team Lab with GTS1800 chamber
Antenna detail info.	<p>ANT8: WiFi2.4G antenna (2.4~2.5GHz), WiFi 5G antenna(5.15~5.85GHz), WiFi 6G antenna(5.85~7.125GHz), BT(2.4~2.5GHz), PIFA type antenna.</p> <p>ANT7:WiFi2.4G antenna (2.4~2.5GHz), WiFi 5G antenna(5.15~5.85GHz), WiFi 6G antenna(5.85~7.125GHz), PIFA type antenna.</p> <p>NFC Antenna: LDS + Ferrite sheet with dimension 29 mm *24.3mm * 0.23mm, LOOP type antenna</p> <p>WPT Antenna:Loop type antenna</p>
Antenna gain test data	Included antenna frequency, gain pattern
Test software	GTS MaxSign – RayZone1800UWB_Z

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

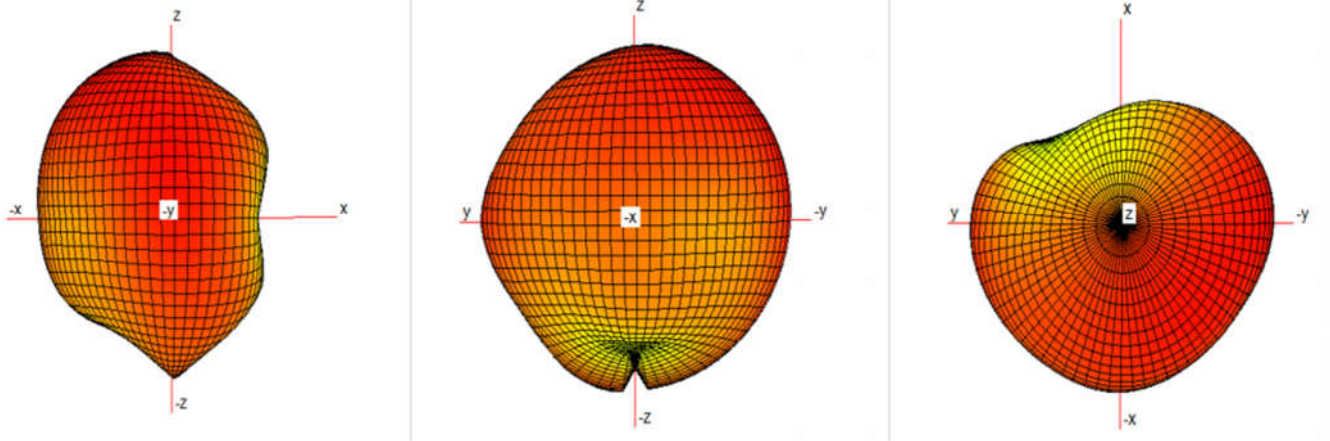
Equipment	Calibrate date	Due date
GTS RayZone1800	December 4, 2023	December 4, 2024
R&S ZNB 20-64 (Network Analyzer)	December 5, 2023	December 5, 2024

Antenna Test data:

Antenna Type /Gain 2.4G	<2400MHz~2483.5MHz> <Ant8>: PIFA Antenna with gain: -7.5 dBi <Ant7>: PIFA Antenna with gain: -7 dBi
Antenna Type /Gain 5G	<5150MHz~5250MHz> <Ant8>: PIFA Antenna with gain: -5.5 dBi <Ant7>: PIFA Antenna with gain: -6 dBi <5250MHz~5350MHz> <Ant8>: PIFA Antenna with gain: -6 dBi <Ant7>: PIFA Antenna with gain: -7 dBi <5470MHz~5725MHz> <Ant8>: PIFA Antenna with gain: -6.5 dBi <Ant7>: PIFA Antenna with gain: -7.5 dBi <5725MHz~5850MHz> <Ant8>: PIFA Antenna with gain: -7.5 dBi <Ant7>: PIFA Antenna with gain: -8 dBi
Antenna Type /Gain 6G	<5925MHz~6425MHz> <Ant8>: PIFA Antenna with gain: -8.5 dBi <Ant7>: PIFA Antenna with gain: -8 dBi <6425MHz~6525MHz> <Ant8>: PIFA Antenna with gain: -8.5 dBi <Ant7>: PIFA Antenna with gain: -7.5 dBi <6525MHz~6875MHz> <Ant8>: PIFA Antenna with gain: -8 dBi <Ant7>: PIFA Antenna with gain: -7.5 dBi <6875MHz~7125MHz> <Ant8>: PIFA Antenna with gain: -8 dBi <Ant7>: PIFA Antenna with gain: -7.5 dBi

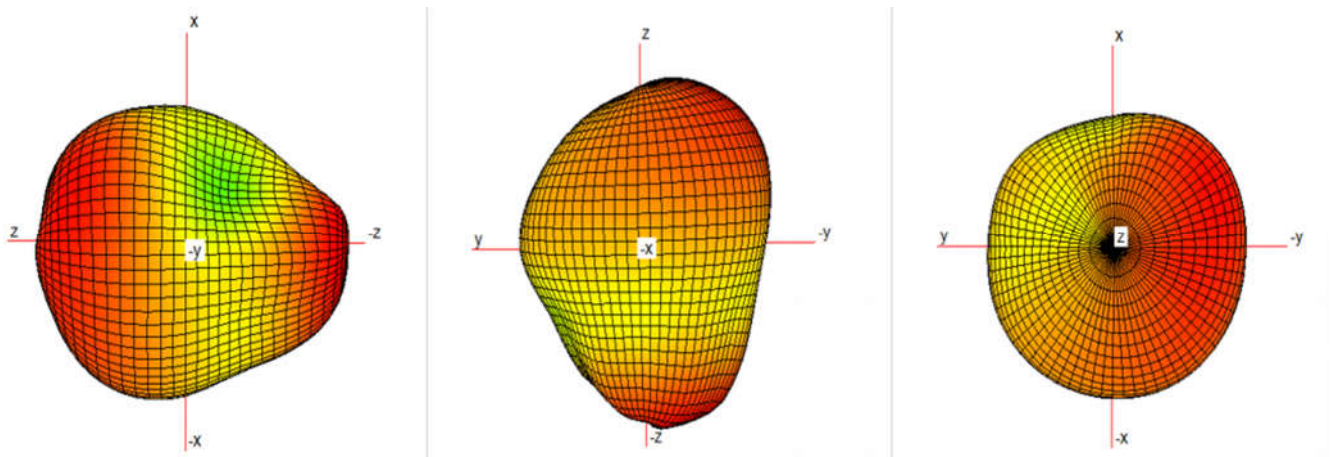
ANT8- WiFi 2.4G CH0

2450MHz

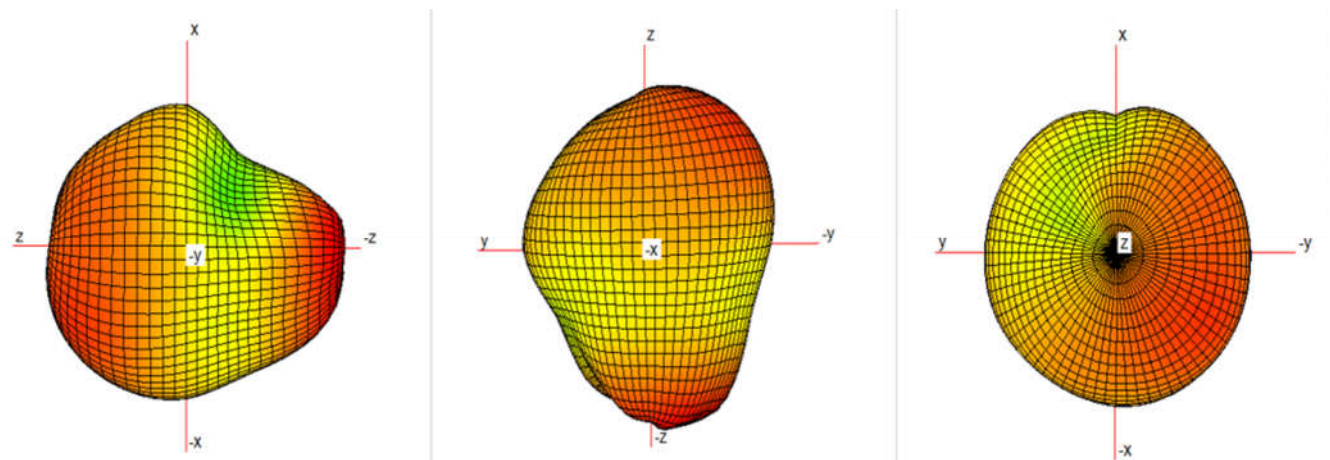


ANT8-WIFI 5G CH0

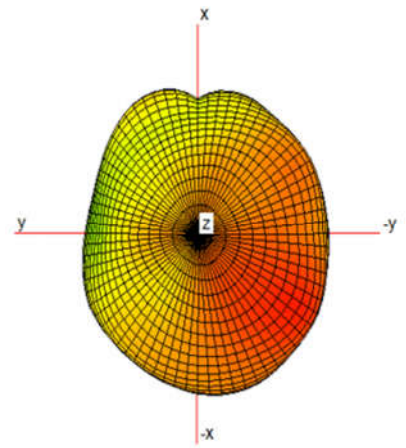
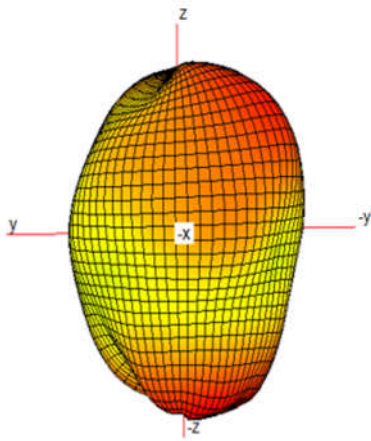
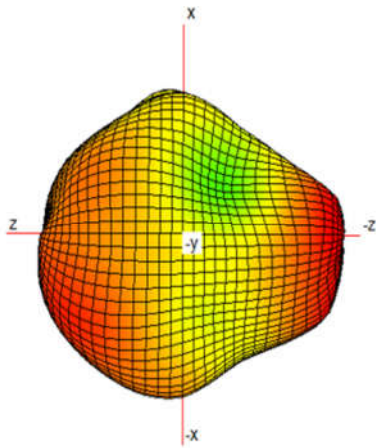
5150MHz



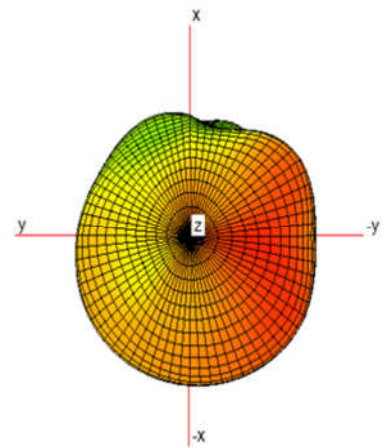
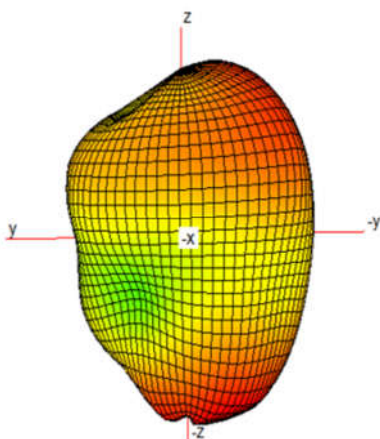
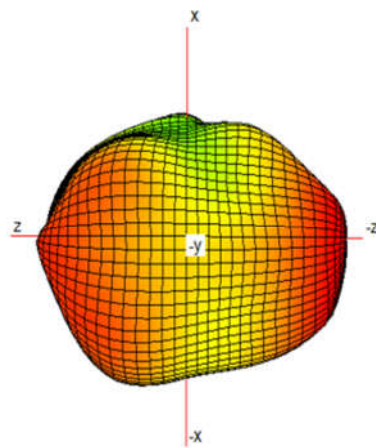
5350MHz



5550MHz

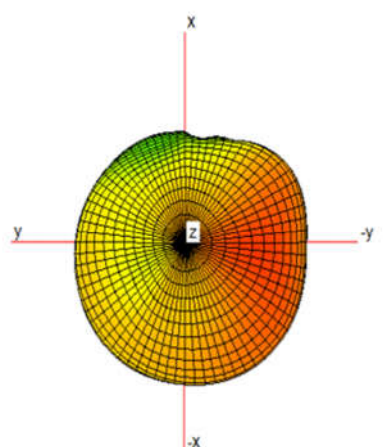
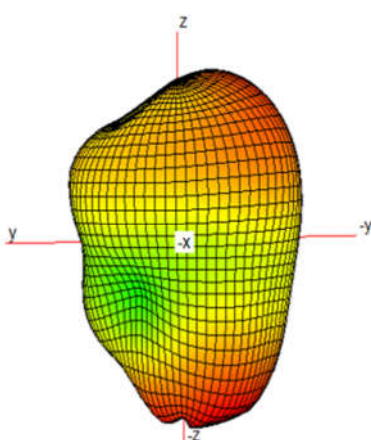
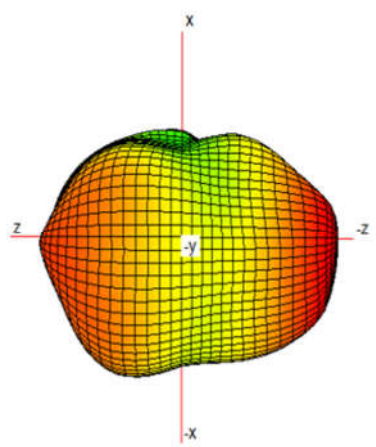


5850MHz

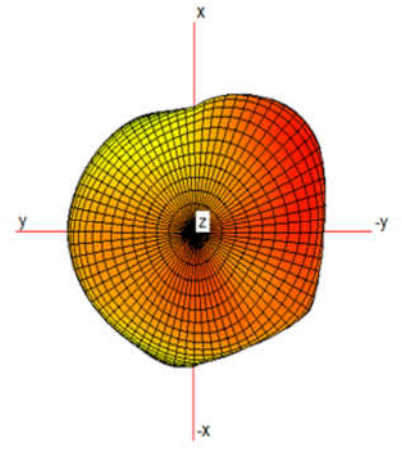
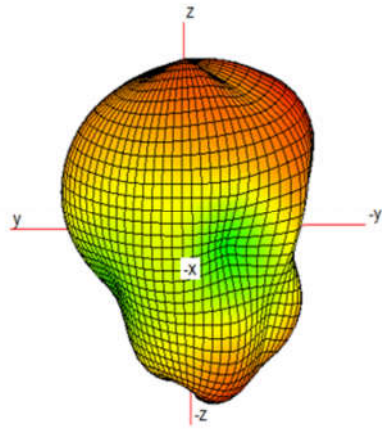
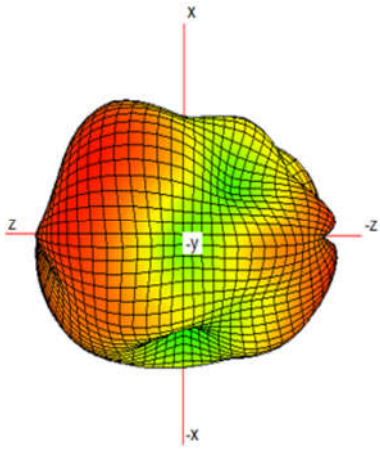


ANT8-WIFI 6G CH0

5900MHz

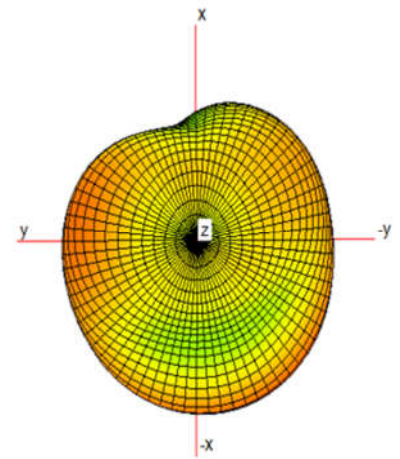
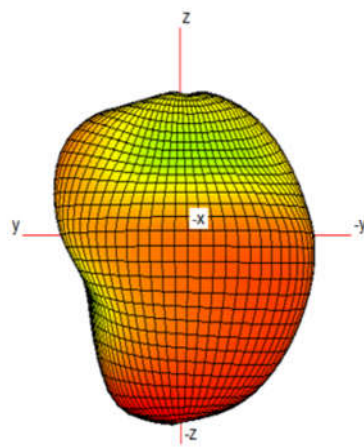
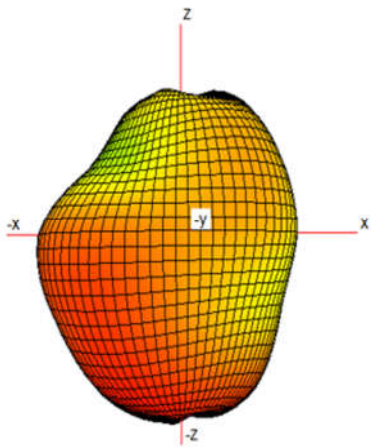


7000MHz



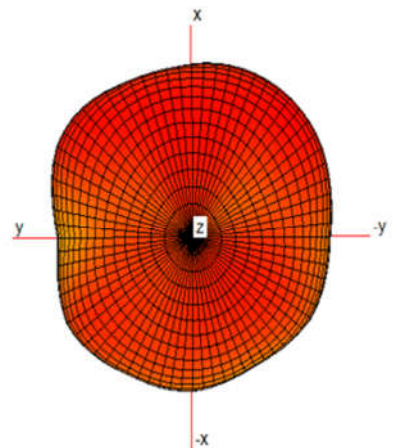
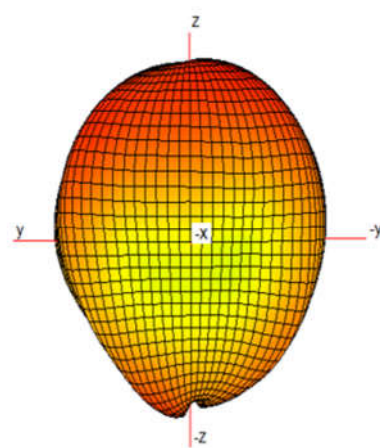
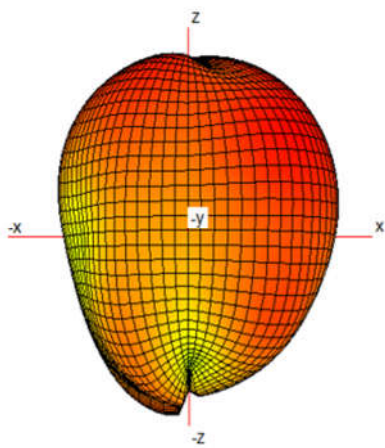
ANT7- WiFi 2.4G CH1

2450MHz

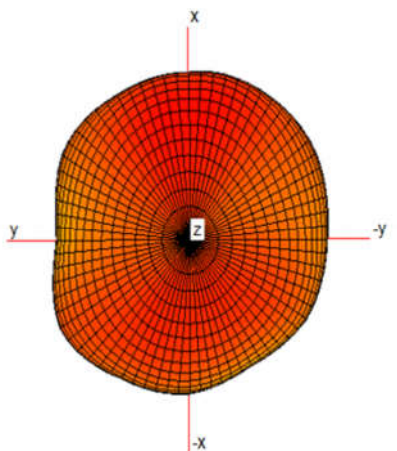
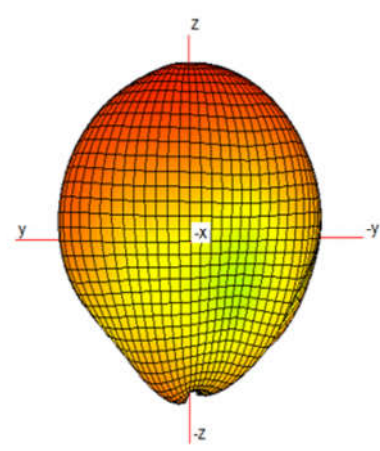
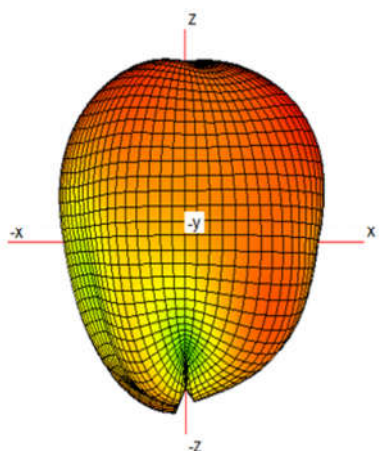


ANT7-WIFI 5G CH1

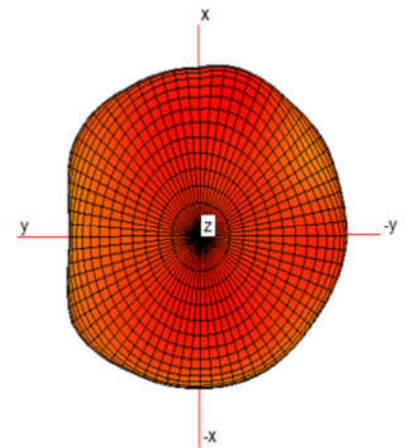
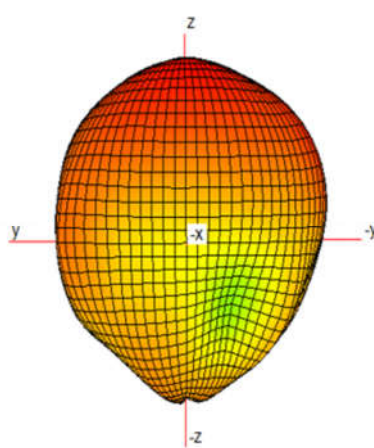
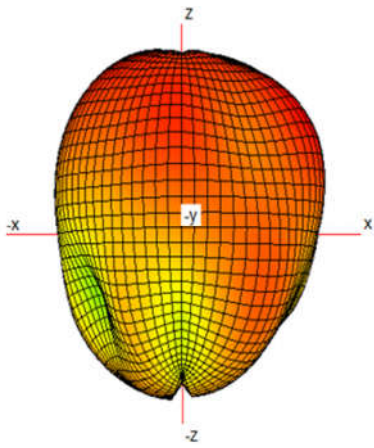
5150MHz



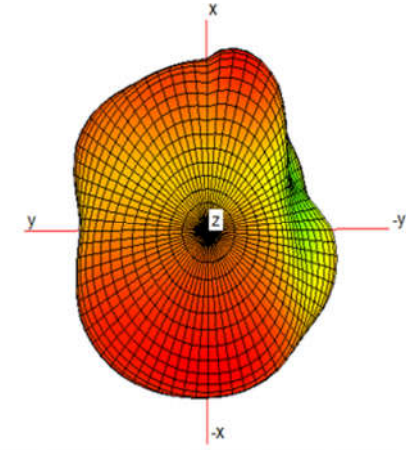
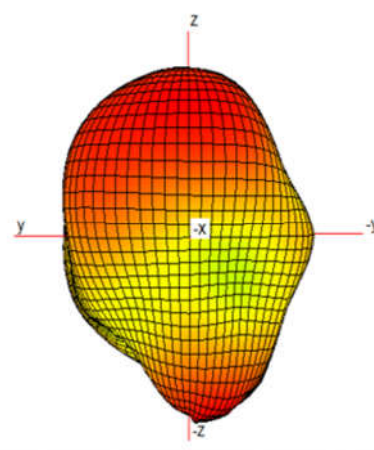
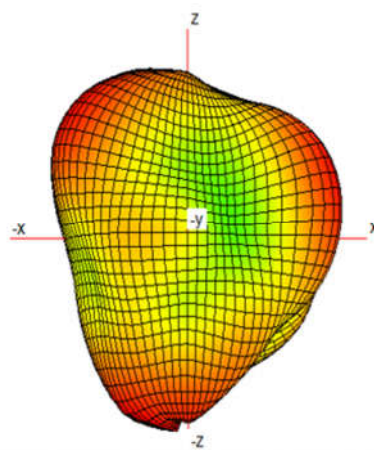
5350MHz



5550MHz

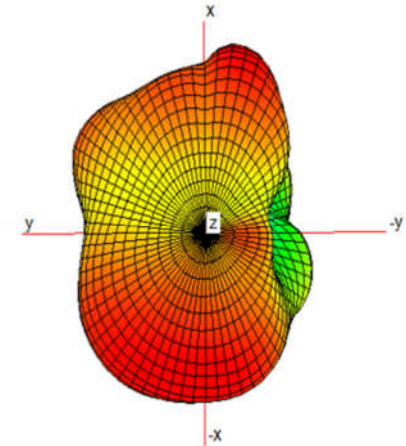
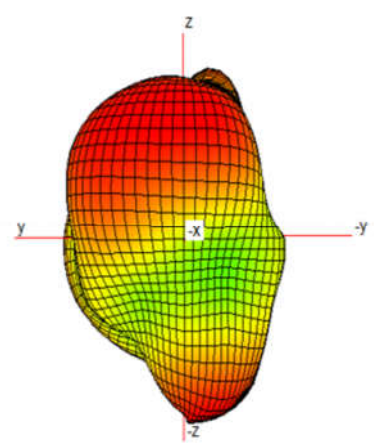
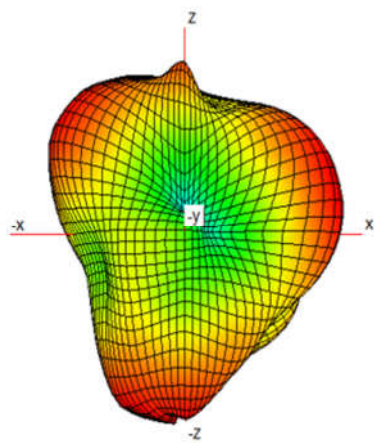


5850MHz

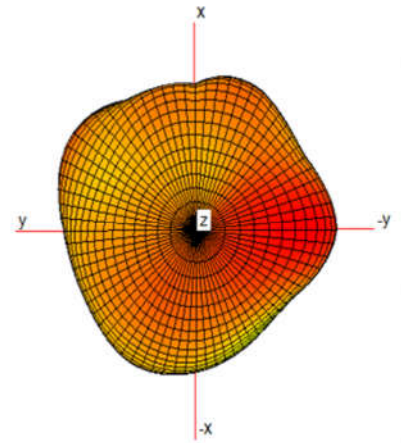
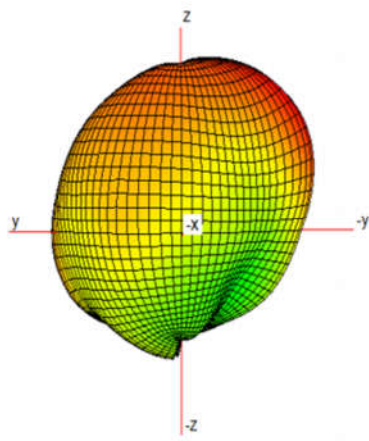
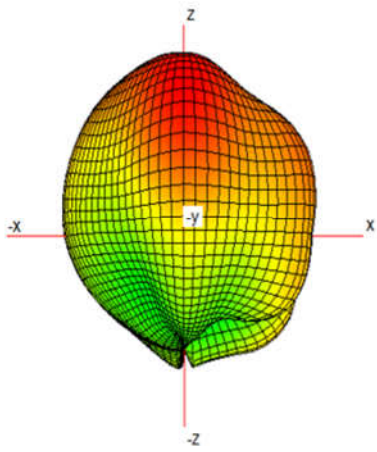


ANT7-WIFI 6G CH1

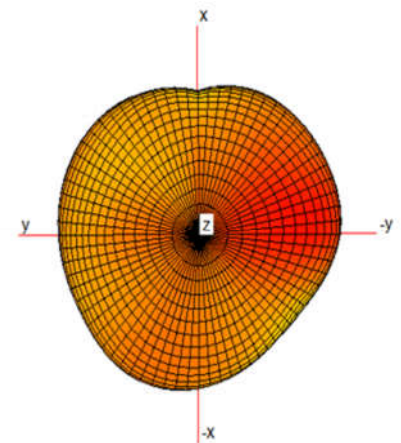
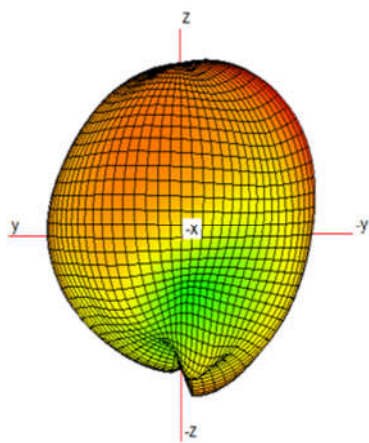
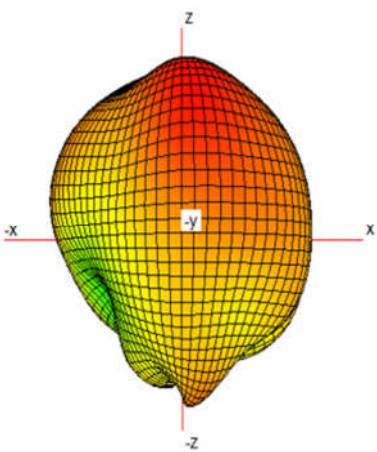
5900MHz



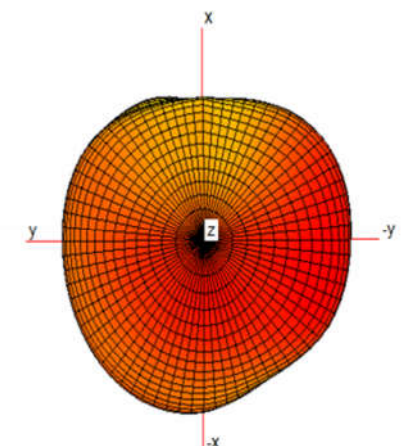
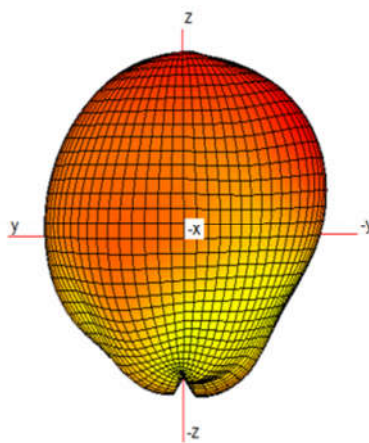
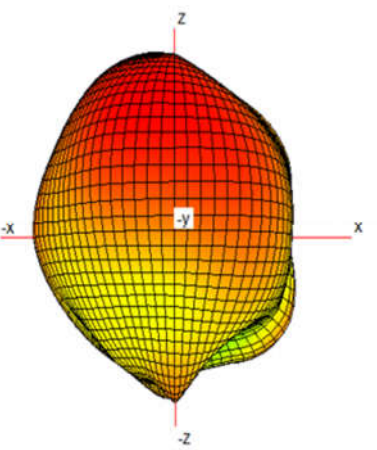
6300MHz



6500MHz



6800MHz



7000MHz

