

---

# Antenna Reports

Test lab: RD laboratory of Sunway Communication Co.LTD

Test Instrument: GTS1800

Test software: GTS1800NR-Z

Issue date: 2024/5/24

Manufacturer: Sunway Communication

Manufacturer address: 1013, Xihuan Rd., Shajing Town, Bao'an

District, Shenzhen, P.R. China

Instrument calibration date :2024/5/20

Instrument Due date: 2024/12/30

Test Engineer: 

### ANT3

Antenna model name: GPS WLAN BT ANT

Antenna type: PIFA

| GPS 1.1G&1.5G Peak Gain (dBi) |       |              |       |
|-------------------------------|-------|--------------|-------|
| 1160-1190MHz                  | -2.74 | 1560-1590MHz | -3.88 |

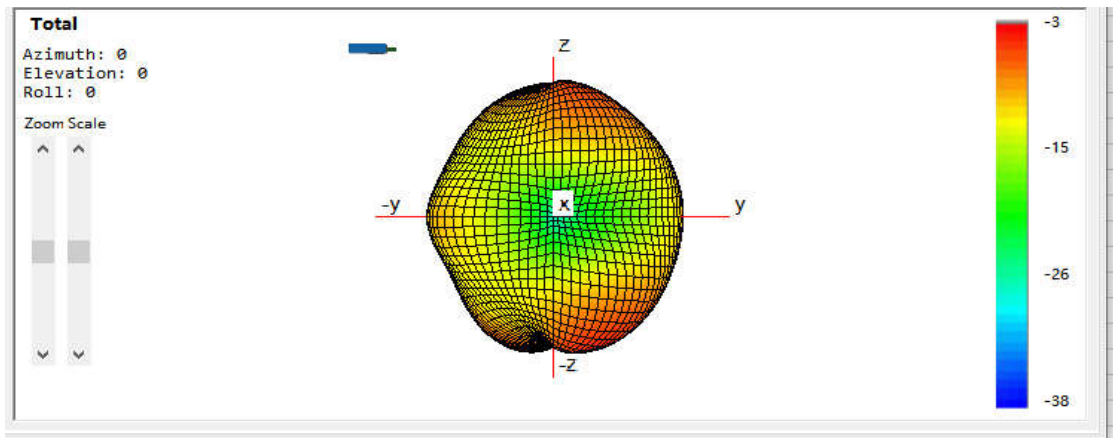
(Right view – Rear view – Left view – Front view)

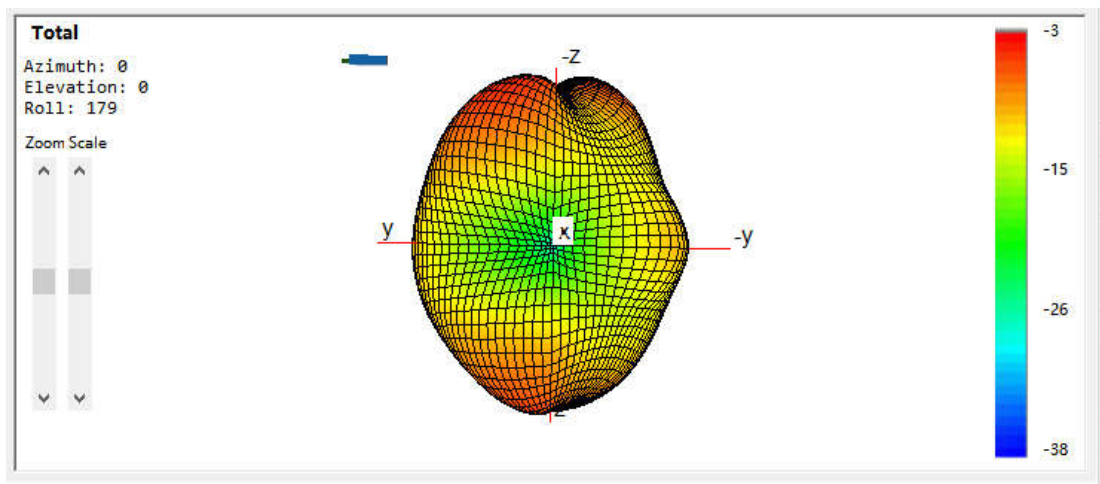
| BT             | Peak Gain(dBi) |
|----------------|----------------|
| 2400~2483.5MHz | -1.09          |

| WLAN           | Peak Gain(dBi) |
|----------------|----------------|
| 2400~2483.5MHz | -1.09          |
| 5150~5250MHz   | -2.01          |
| 5250~5350MHz   | -1.23          |
| 5470~5725MHz   | -1.86          |
| 5725~5850MHz   | -3             |
| 5850~5925MHz   | -0.02          |
| 5925~6425MHz   | -0.02          |
| 6425~6525MHz   | -0.02          |
| 6525~6875MHz   | -0.02          |
| 6875~7125MHz   | -0.02          |

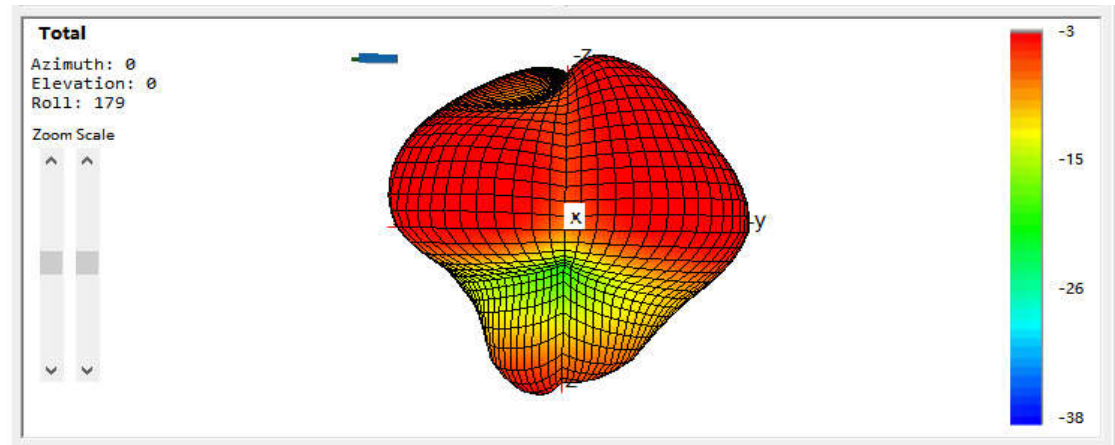
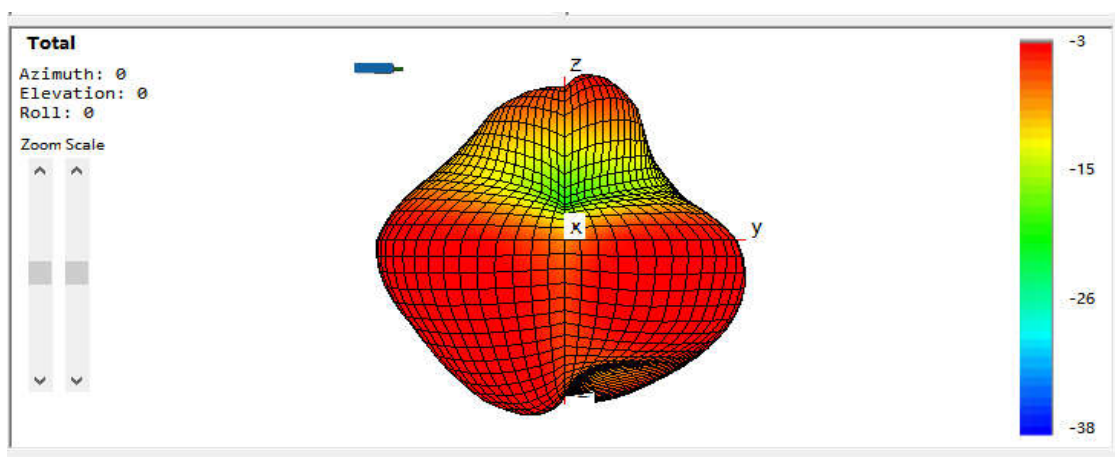
(Right view – Rear view – Left view – Front view)

WIFI BT 2.4G (2450 MHz)

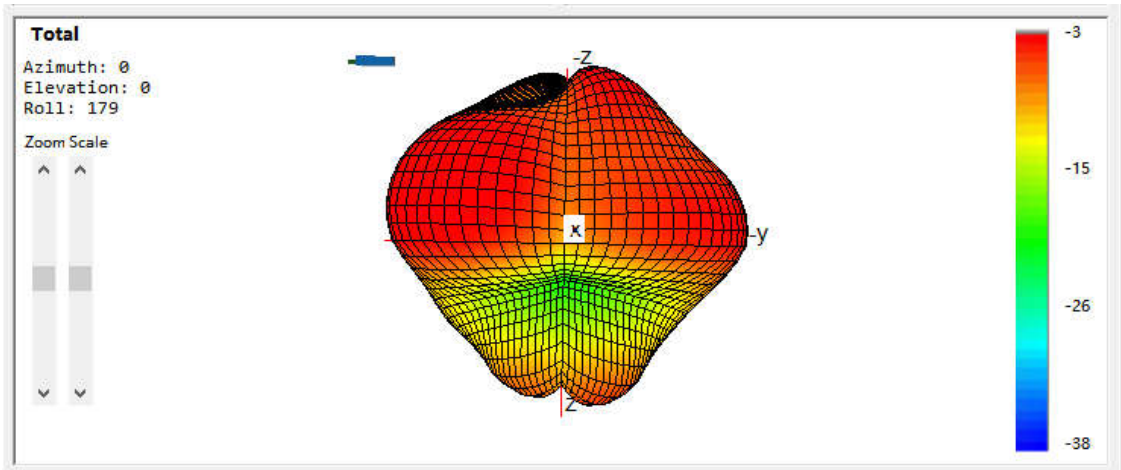
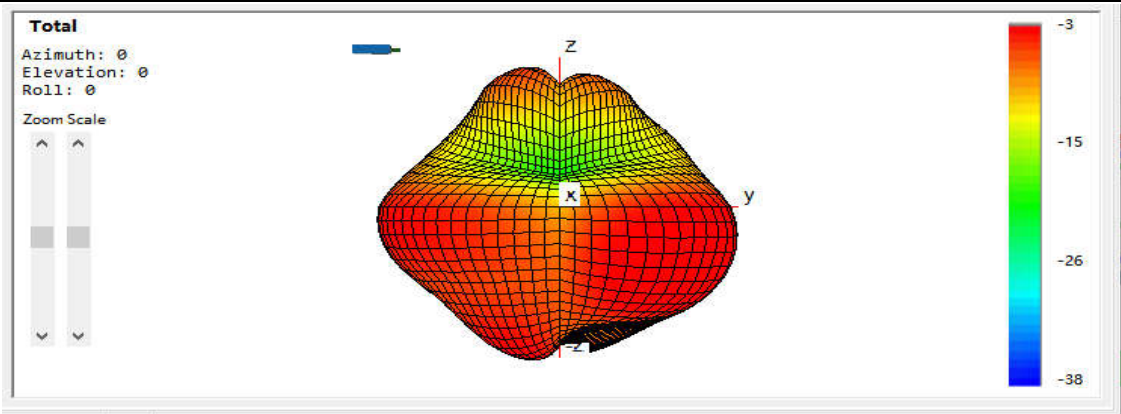




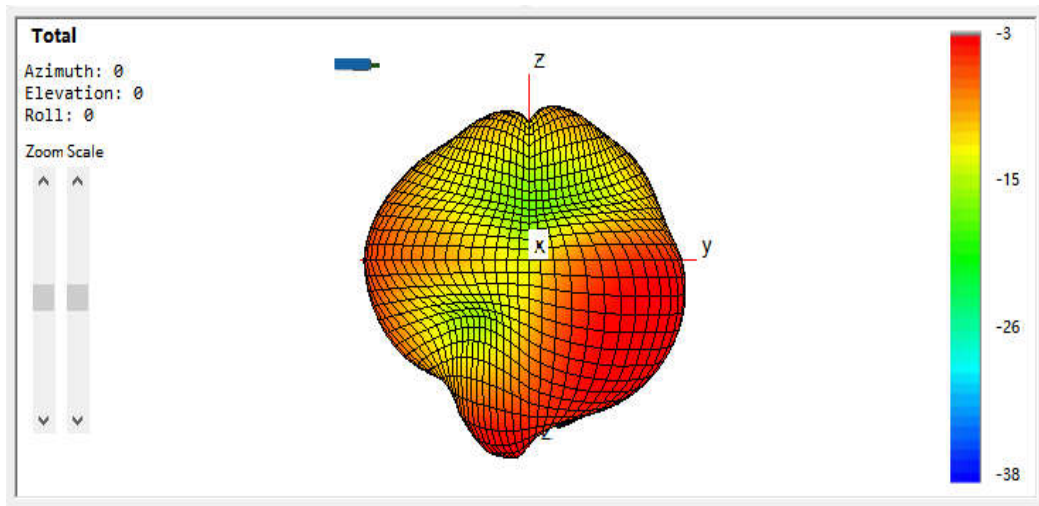
WIFI 5G (5200 MHz)

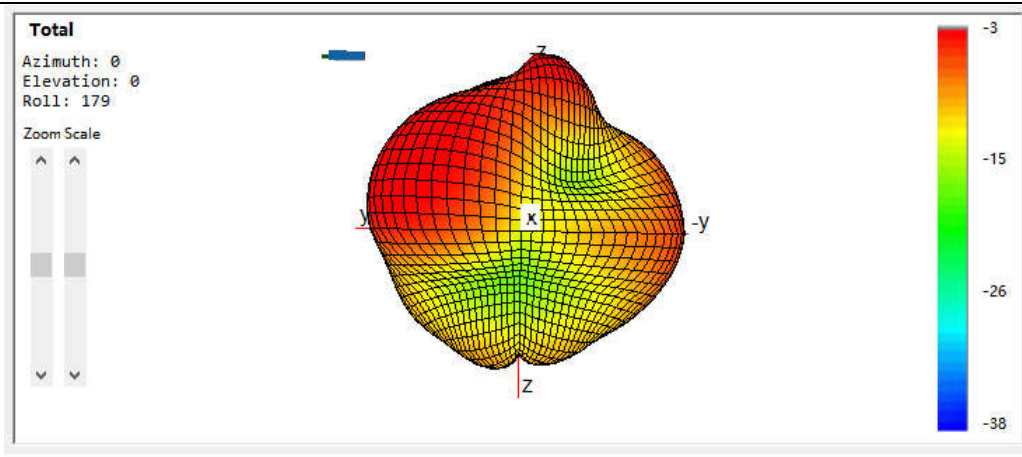


WIFI 5G (5400 MHz)

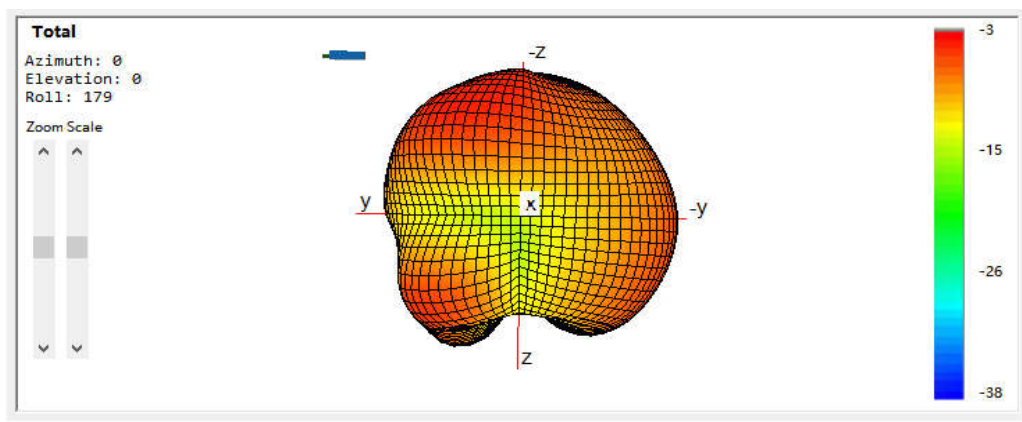
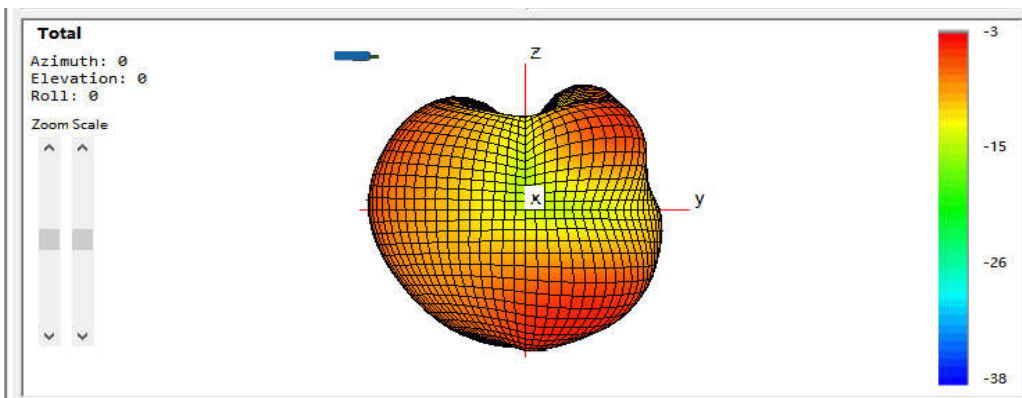


WiFi 5G (5600 MHz)

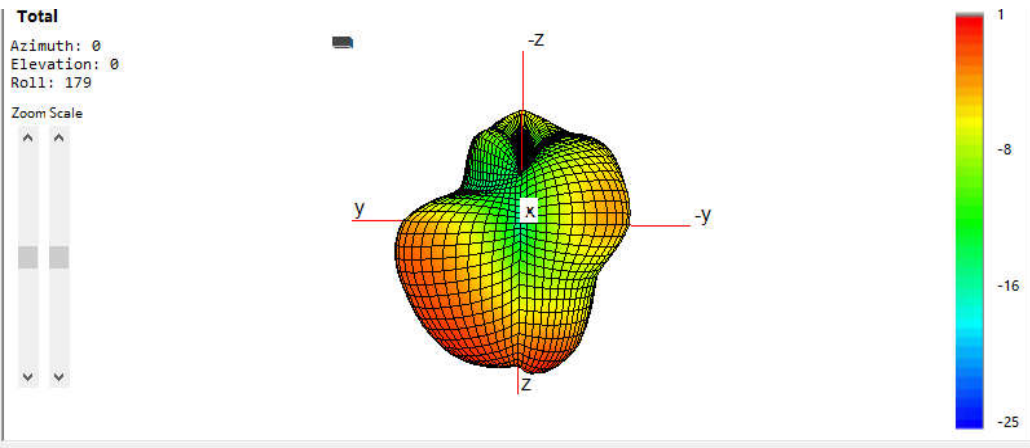
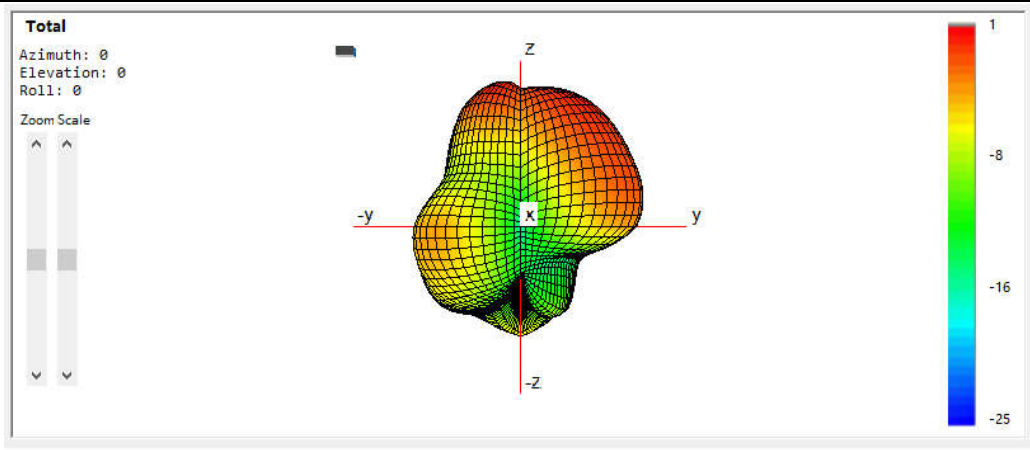




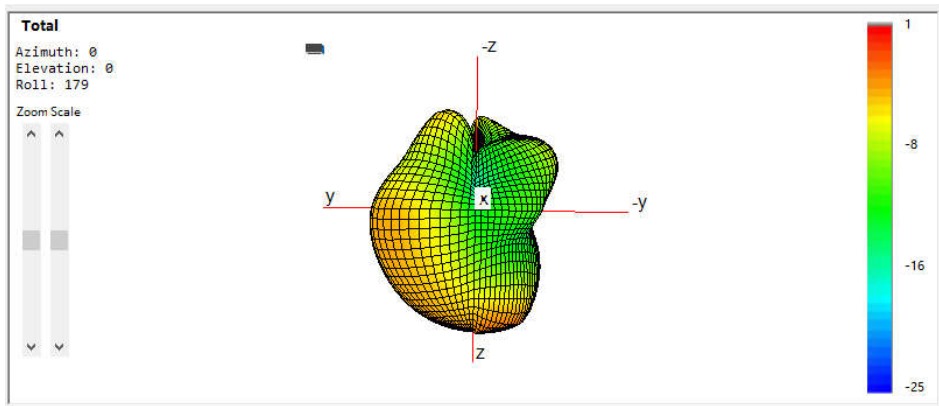
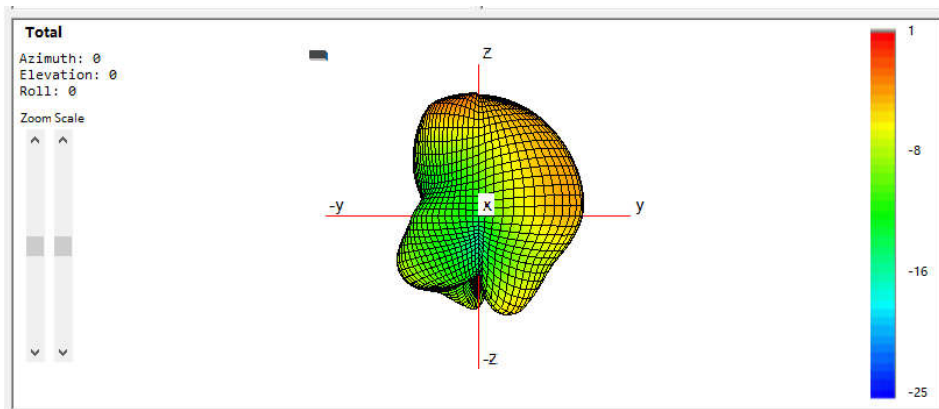
WIFI 5G (5800 MHz)



WIFI 6E (6500MHz)



## WiFi 6E (7100MHz)



## ANT4

Antenna model name: WLAN BT ANT

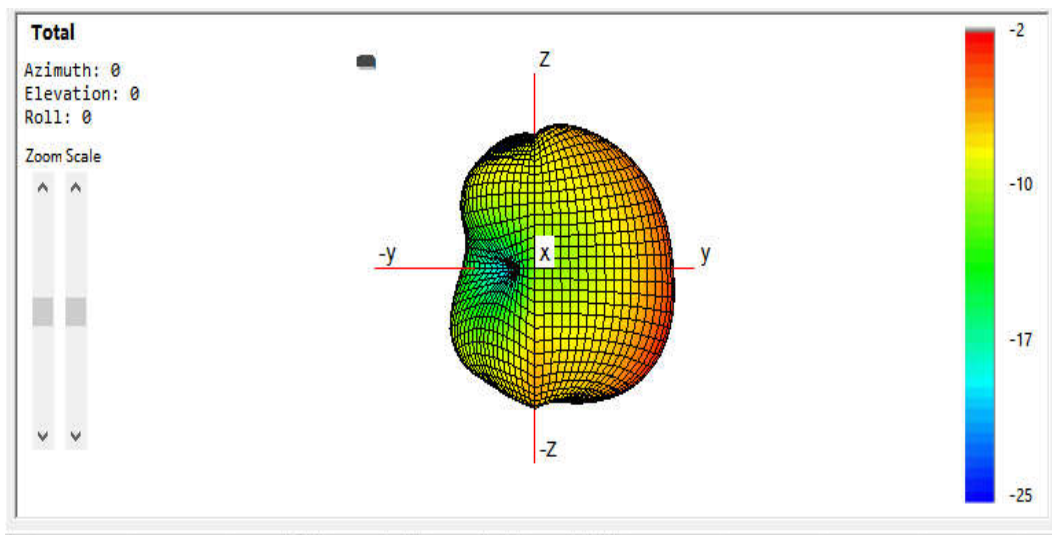
Antenna type: PIFA

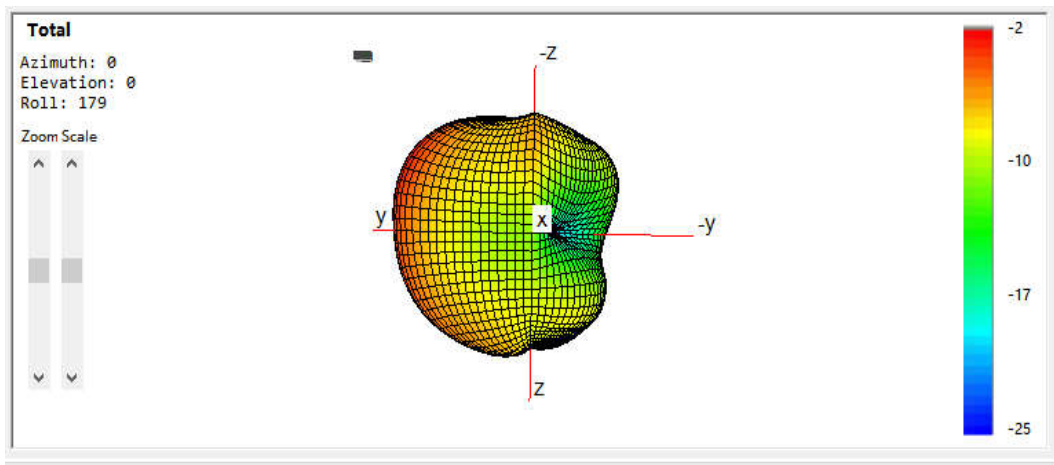
| BT             | Peak Gain(dBi) |
|----------------|----------------|
| 2400~2483.5MHz | 0.1            |

| WLAN           | Peak Gain(dBi) |
|----------------|----------------|
| 2400~2483.5MHz | 0.1            |
| 5150~5250MHz   | -1             |
| 5250~5350MHz   | -0.54          |
| 5470~5725MHz   | -0.5           |
| 5725~5850MHz   | -2.33          |
| 5850~5925MHz   | -0.79          |
| 5925~6425MHz   | -0.79          |
| 6425~6525MHz   | -0.79          |
| 6525~6875MHz   | -0.79          |
| 6875~7125MHz   | -0.79          |

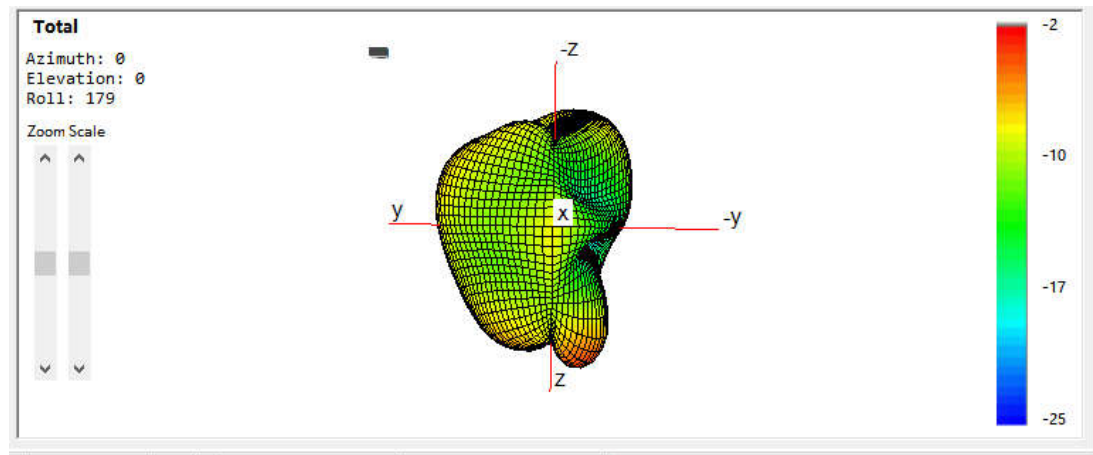
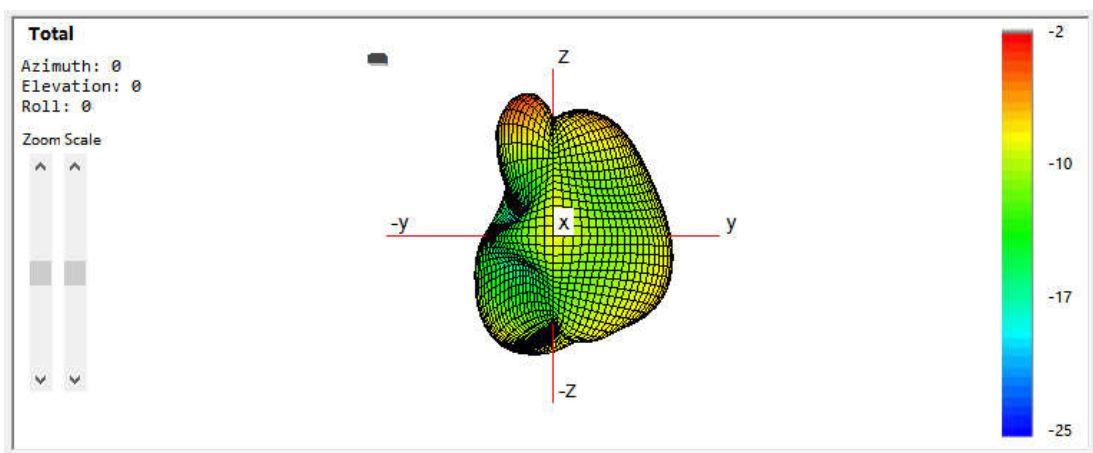
(Right view – Rear view – Left view – Front view)

WIFI BT 2.4G (2450 MHz)



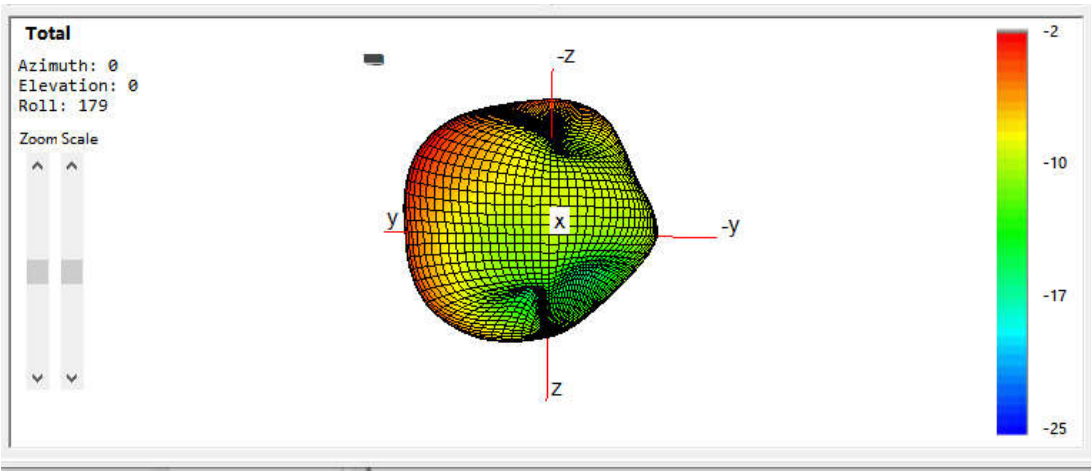
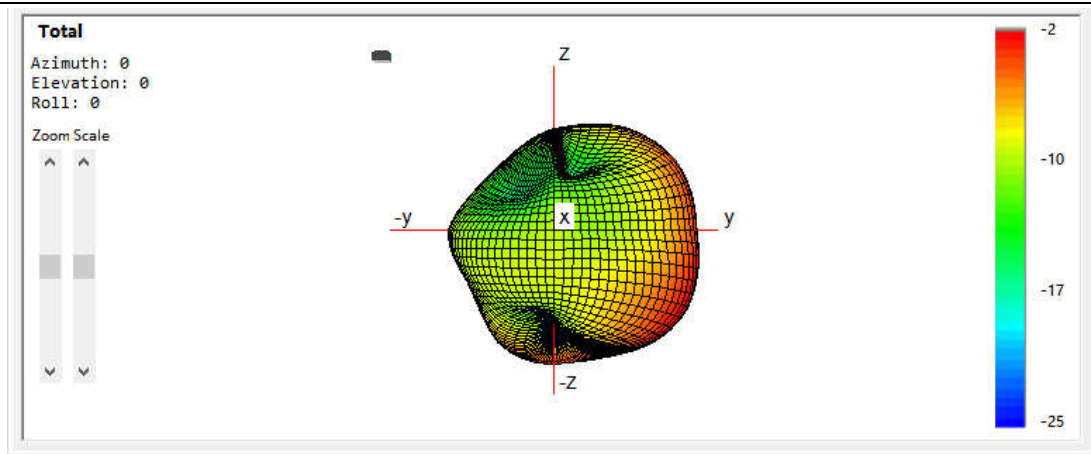


WIFI 5G (5200 MHz)

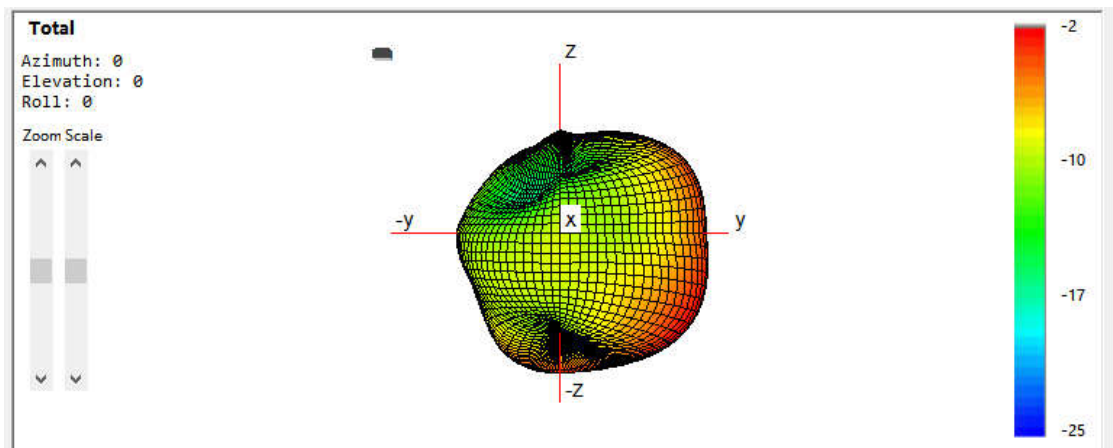


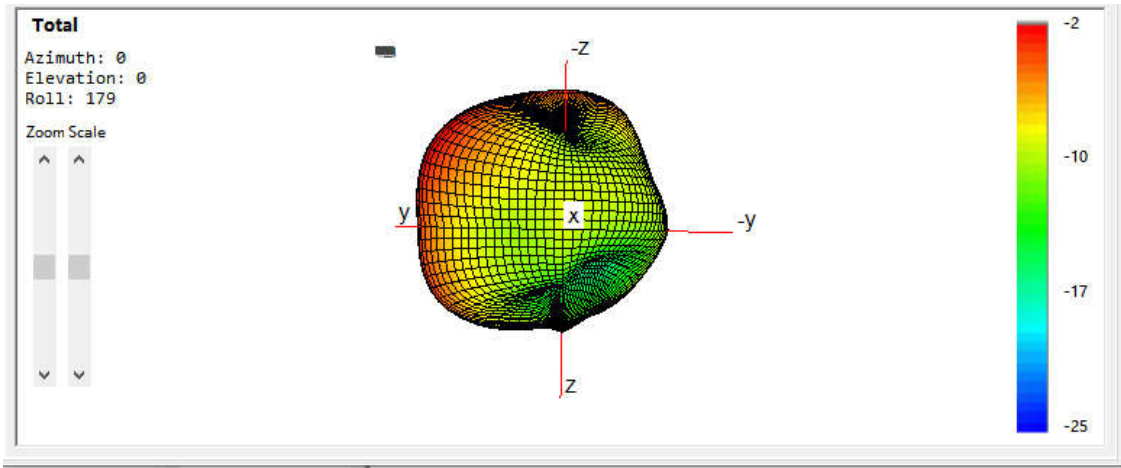
WIFI 5G (5400 MHz)



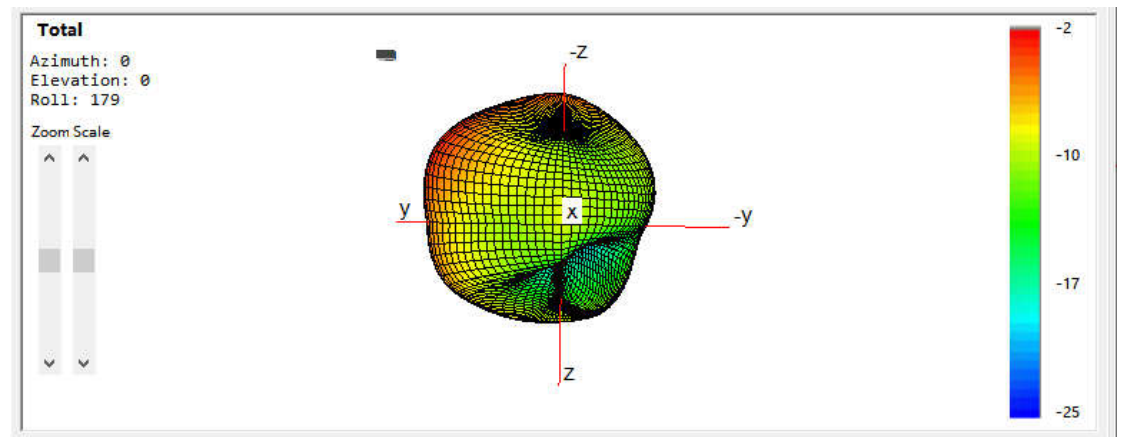
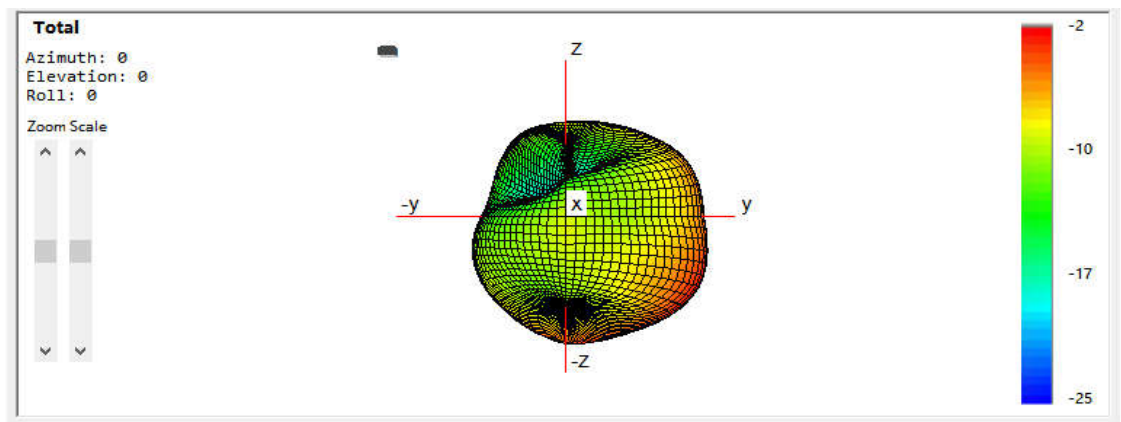


WIFI 5G (5600 MHz)

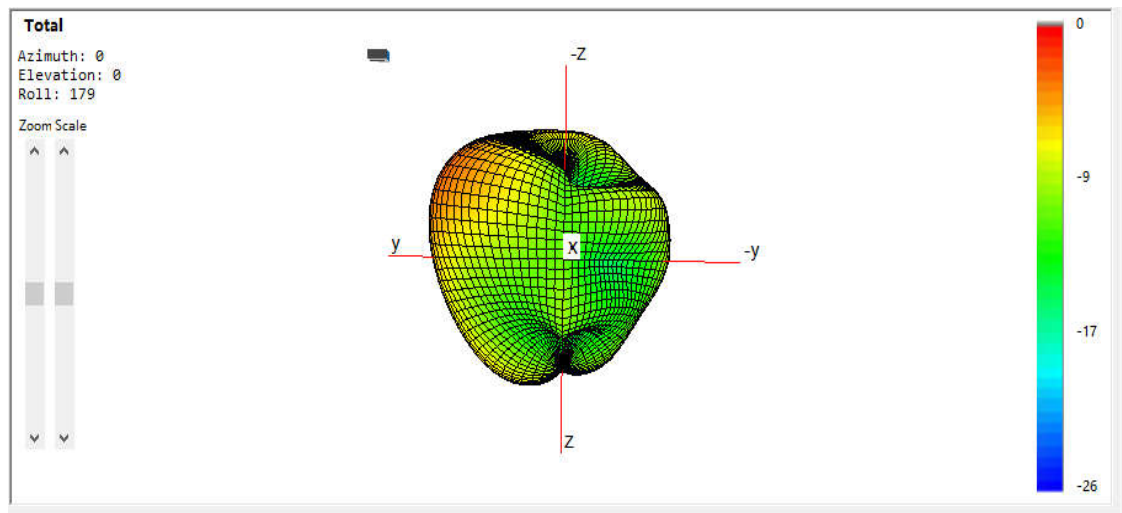
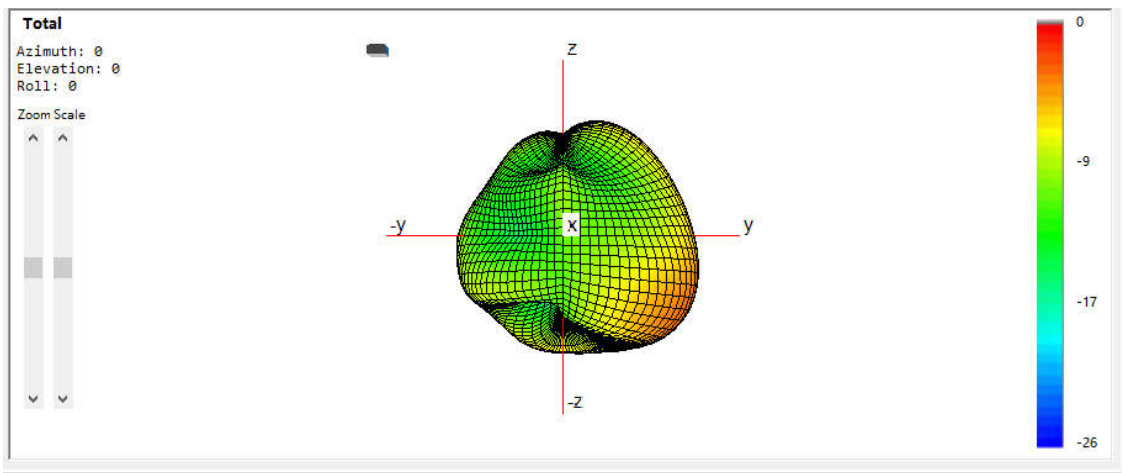




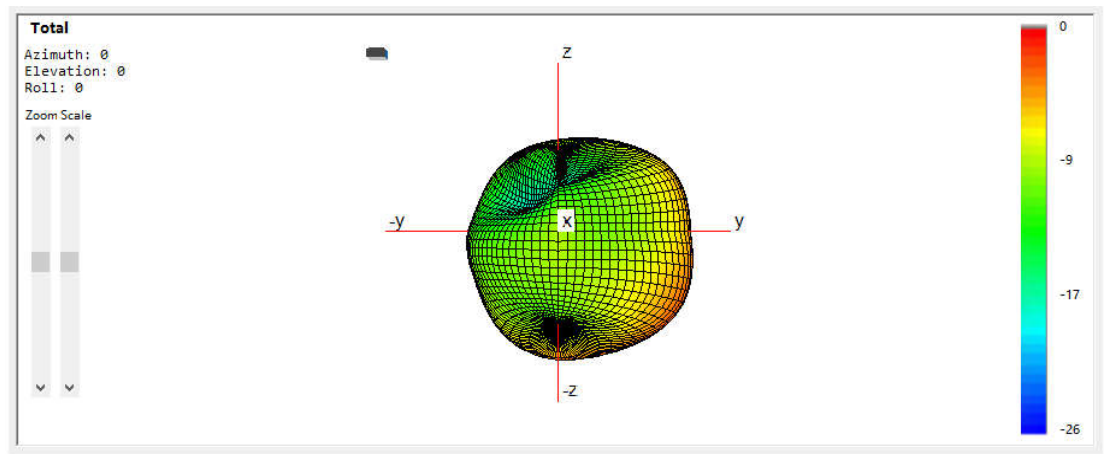
WIFI 5G (5800 MHz)

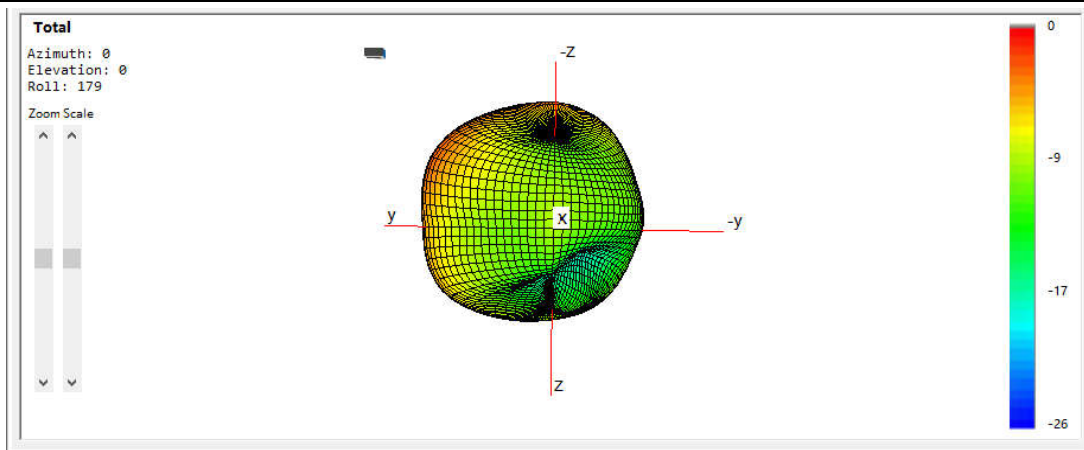


WIFI 6E(6500MHZ)



WIFI 6E(7100MHZ)





## ANT6

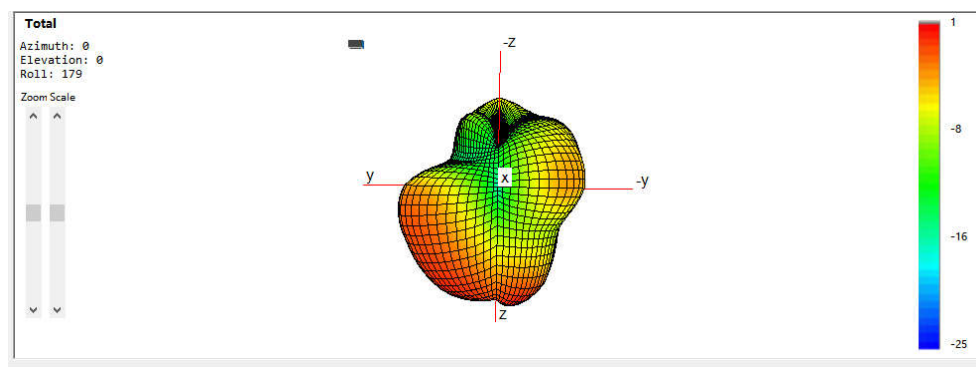
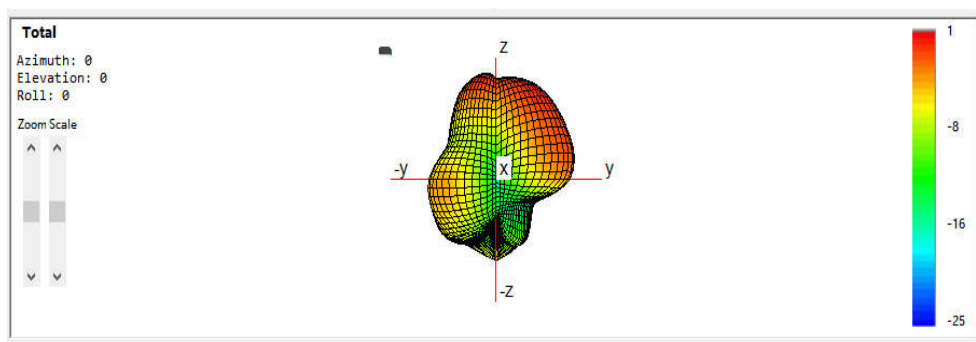
Antenna model name: UWB ANT

Antenna type: PIFA

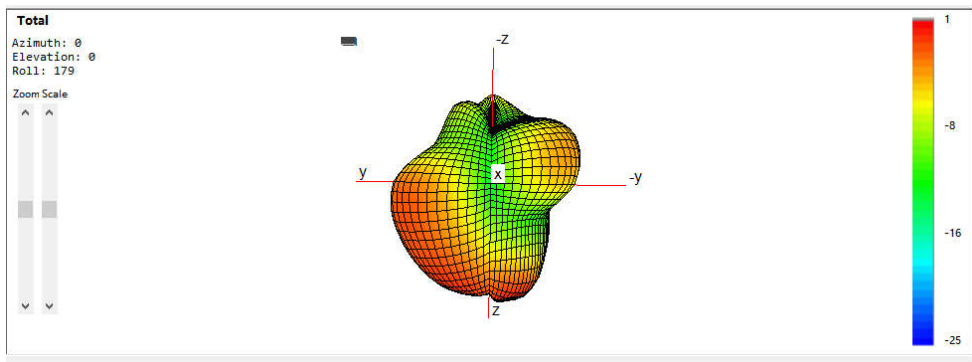
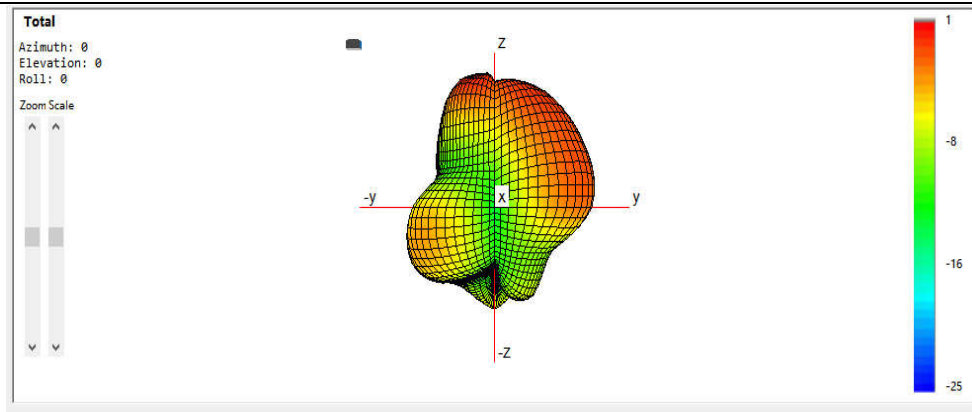
| UWB          | Peak Gain(dBi) |
|--------------|----------------|
| 6250~6750MHz | 0.01           |
| 6950~8250MHz | 0.1            |

(Right view – Rear view – Left view – Front view)

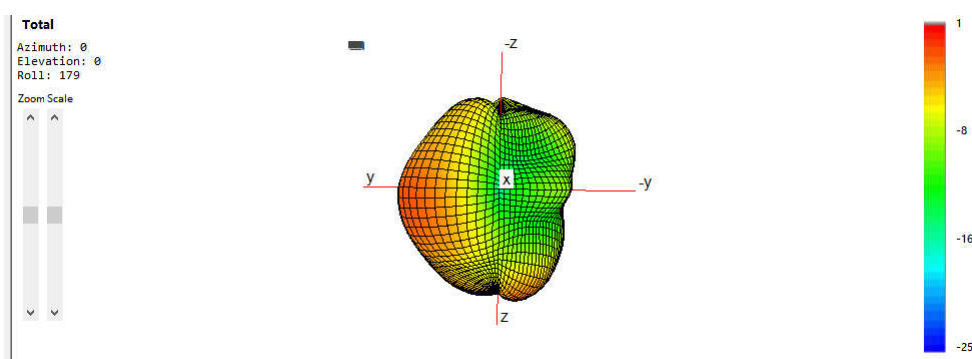
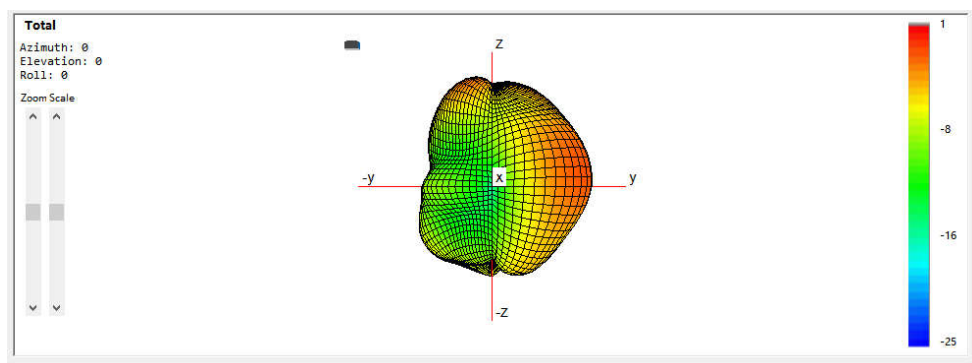
UWB CH5 (6489 MHz)



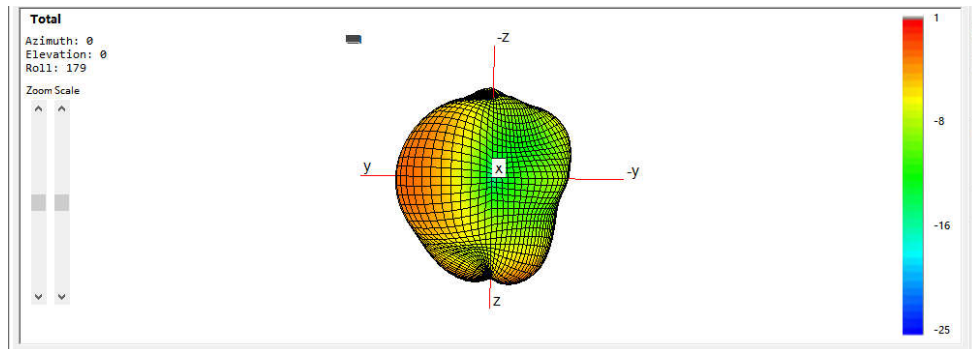
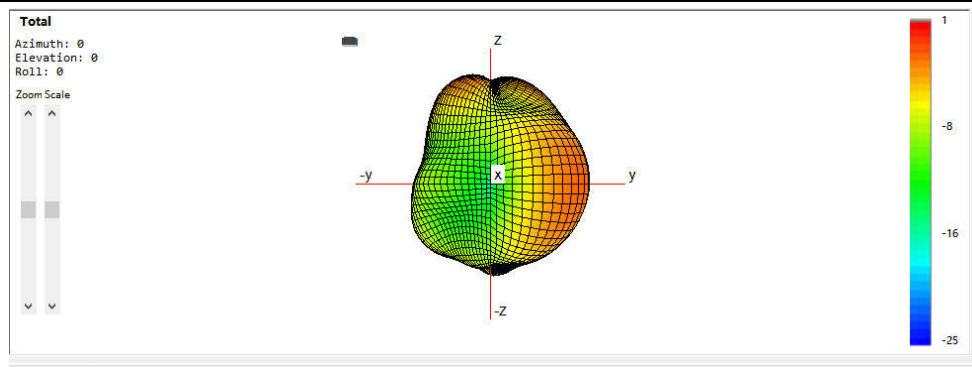
UWB CH6 (6988 MHz)



UWB CH8 (7488 MHz)



UWB CH9 (7987 MHz)



## ANT8

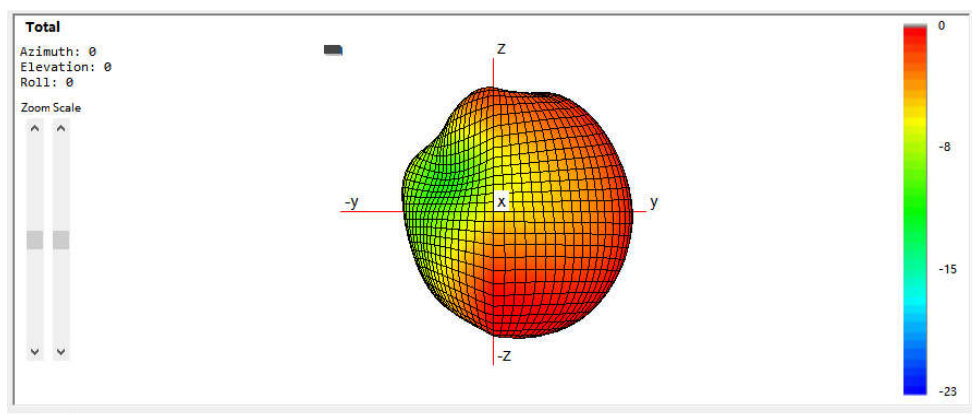
Antenna model name: Lora&WWAN ANT

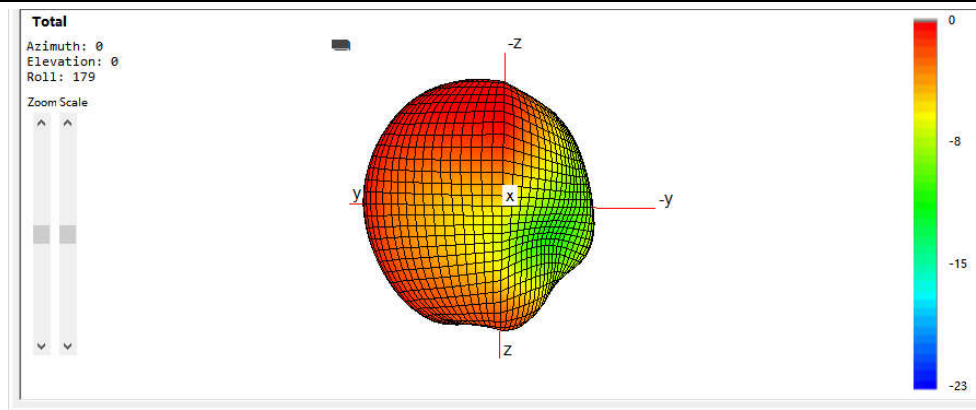
Antenna type: PIFA

| LTE/NR | Peak Gain(dBi) |
|--------|----------------|
| LORA   | -1             |

(Right view – Rear view – Left view – Front view)

LORA (915 MHz)





## NFC

Antenna model name: NFC ANT

Antenna type: LOOP

ANT Size: Length:  $53 \pm 0.15$  mm

Width :  $48.28 \pm 0.15$  mm

Height: 0.28 mm