

Testing Laboratory: Feitu Far-Field Testing System

Test Laboratory Signature: Dongguan Qiyuan Electronics Technology Co., Ltd.

Antenna type: Onboard antenna

Antenna manufacturer company name: Shenzhen Corist Technology Co., Ltd.

Antenna manufacturer company address: 5th Floor, Building A, Sunshine
Technology Park, Jinlong 2nd Road, Baolong Street, Longgang District,
Shenzhen City, Guangdong Province, China

Test Steps:

1. Use a network analyzer to test the standing wave and take a screenshot.
2. Open the anechoic chamber door, and connect the fixed cable on the test bench to the antenna to prevent shaking.
3. Close the anechoic chamber door, launch the testing software on the computer, and select the corresponding test file.
4. Start the test; the testing process takes about 10 minutes.
5. After the test, save the test data and export it to generate a document.
6. Open the anechoic chamber door, remove the antenna; testing is complete.

1. Test content: WLAN Antenna measurement

2. Test project: (Horizontal & Vertical)

Return Loss, Antenna GAIN, Radiation Pattern

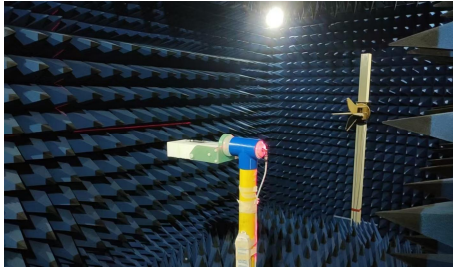
3. Test setting:

Source Antenna: SATIMO

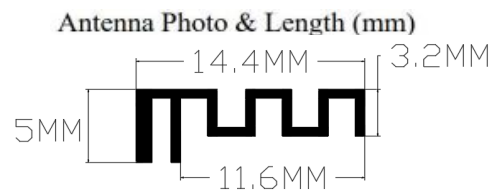
Test Frequency: 2400MHz, 2410MHz, 2420MHz, 2430MHz, 2440MHz,
2450MHz, 2460MHz, 2470MHz, 2480MHz, 2490MHz, 2500MHz

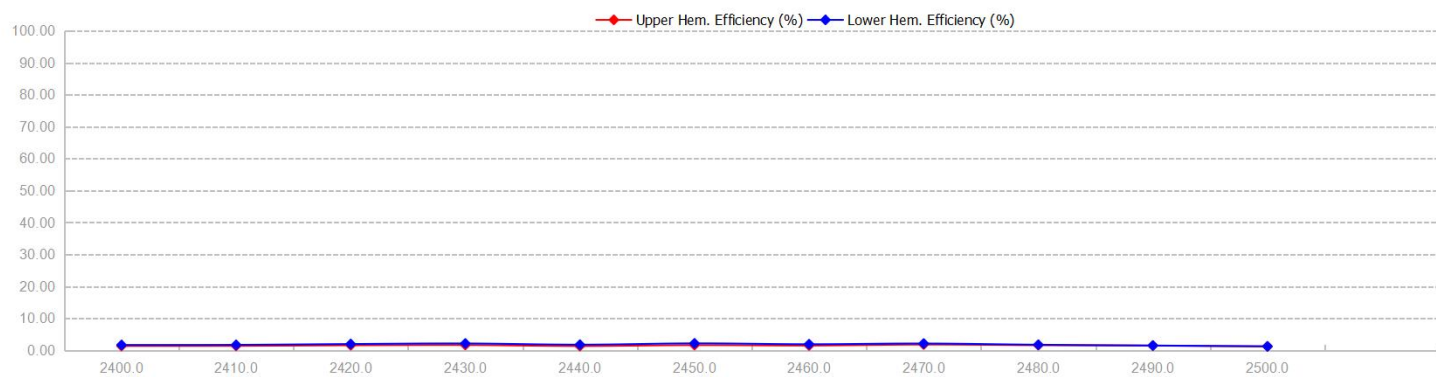
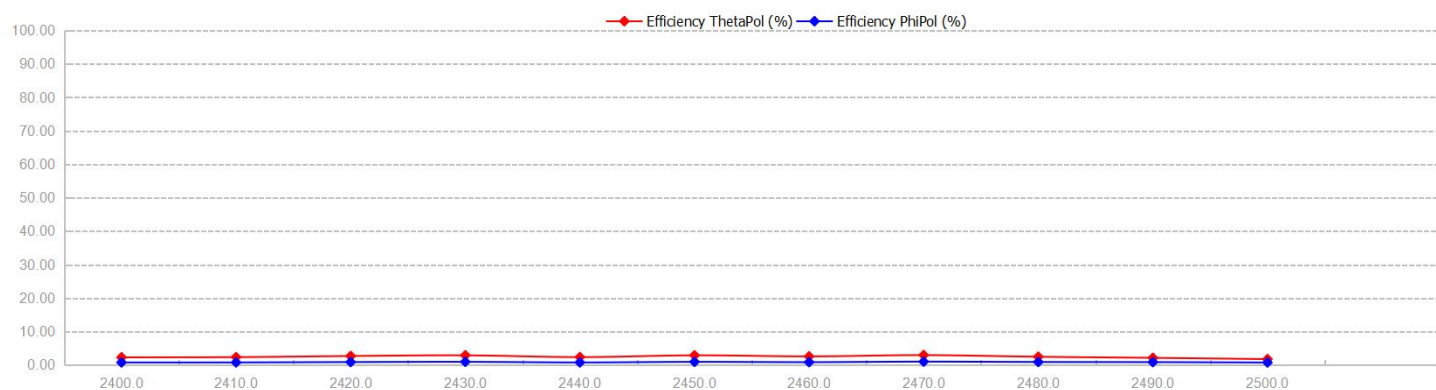
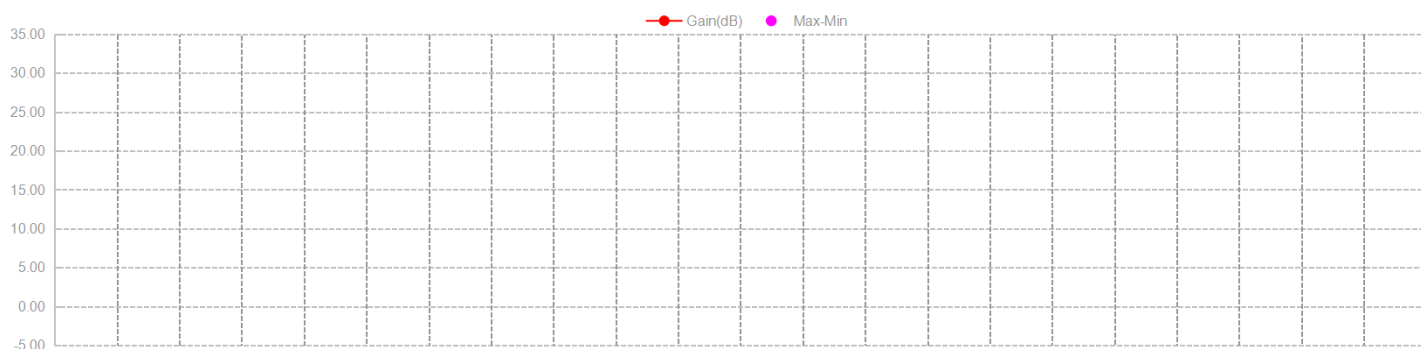
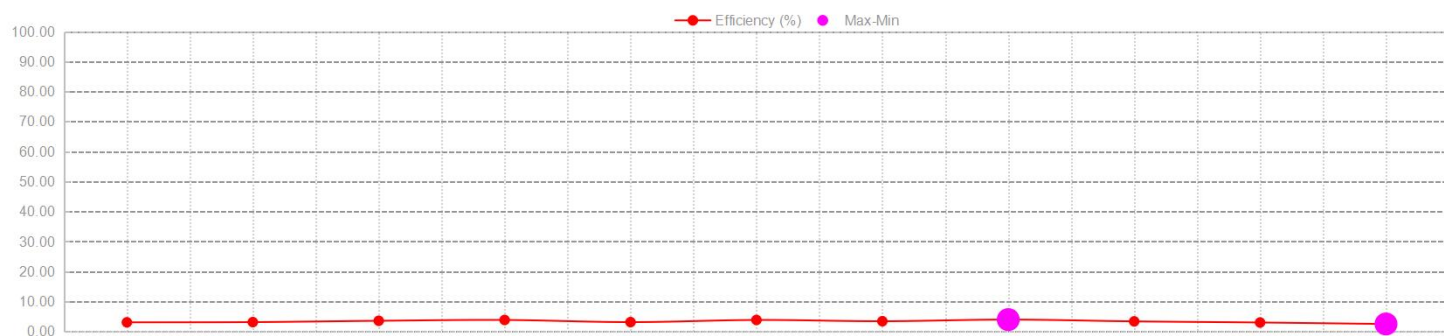
4. Test environment:
Room temperature: 25°C
Humidity: 50%

5. Test schematic drawing of setting:

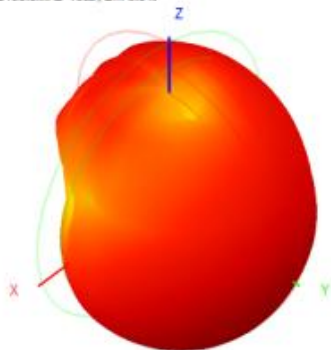


6. Antenna size diagram

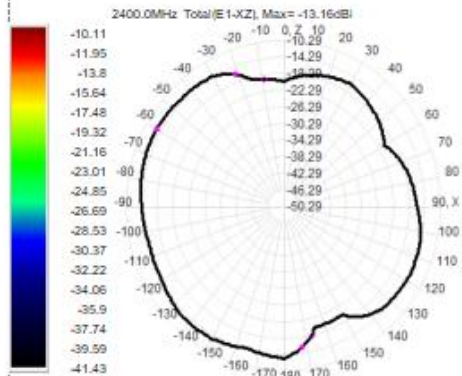
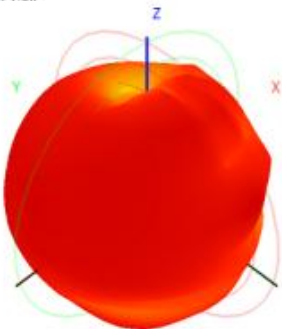
[illegible]



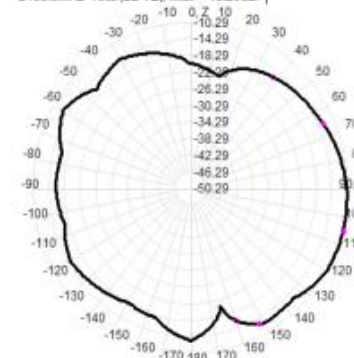
2400.0MHz Total, Eff. 3.0%



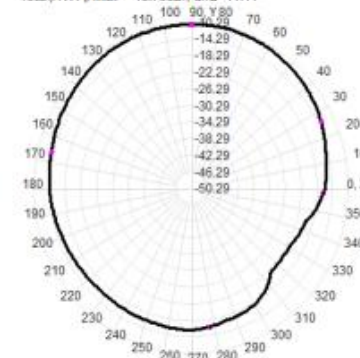
Back View



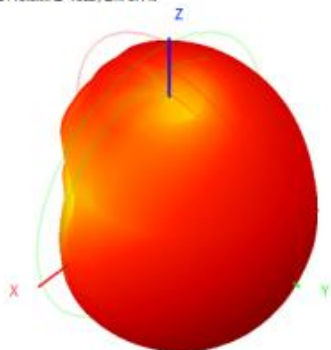
2400.0MHz Total(E2-YZ), Max=-10.29dBi



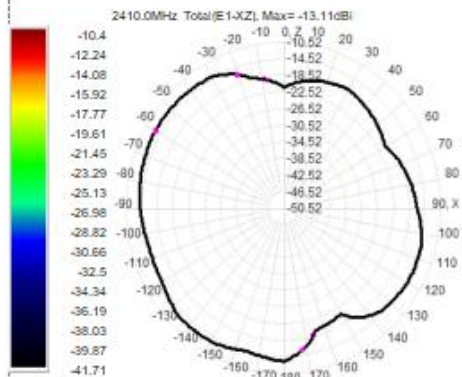
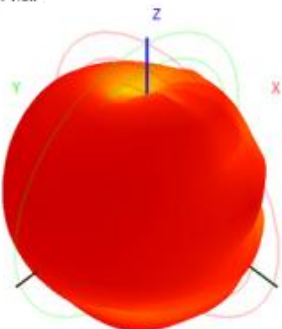
Total(H-XY), Max=-10.75dBi, C/I=11.11



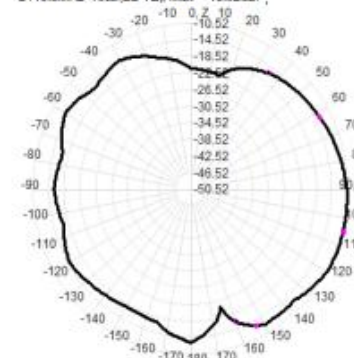
2410.0MHz Total, Eff. 3.1%



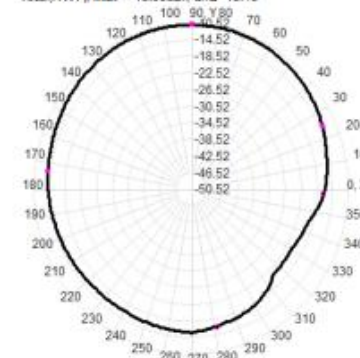
Back View



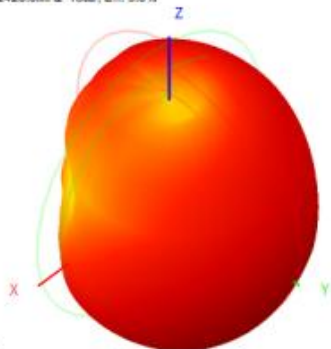
2410.0MHz Total(E2-YZ), Max=-10.52dBi



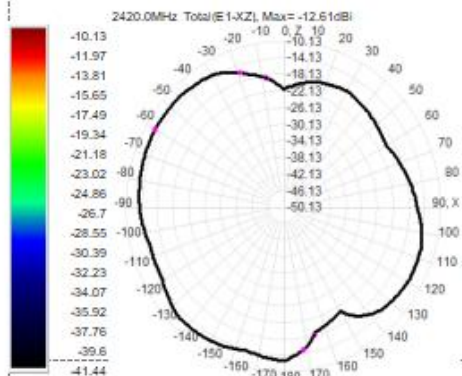
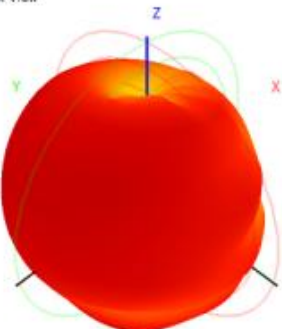
Total(H-XY), Max=-10.96dBi, C/I=10.46



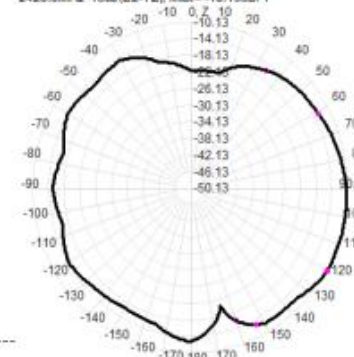
2420.0MHz Total, Eff. 3.6%



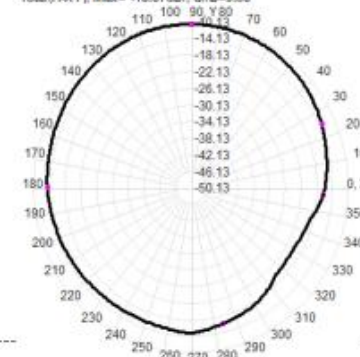
Back View



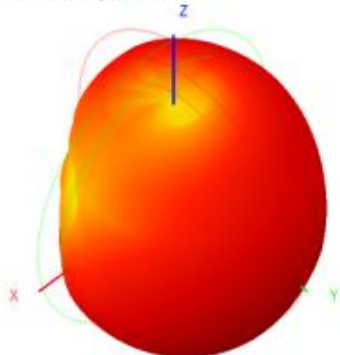
2420.0MHz Total(E2-YZ), Max=-10.13dBi



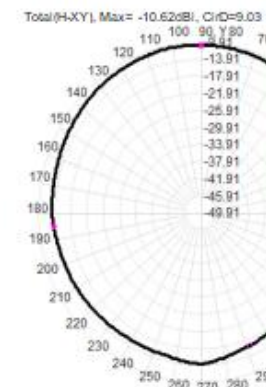
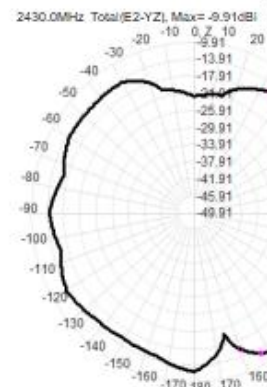
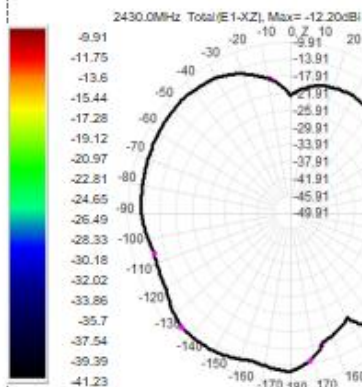
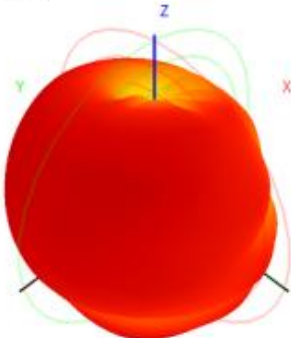
Total(H-XY), Max=-10.67dBi, C/I=9.86



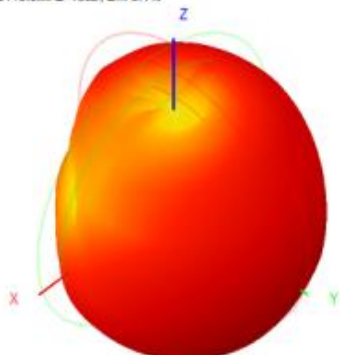
2430.0MHz Total, Eff: 3.8%



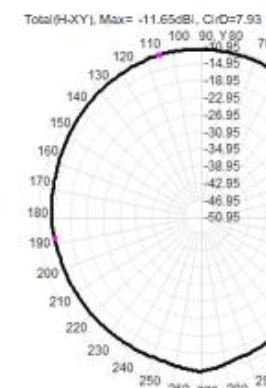
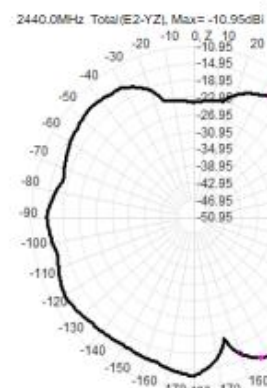
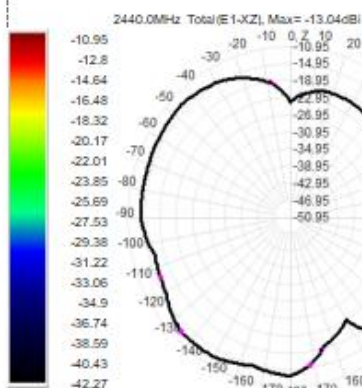
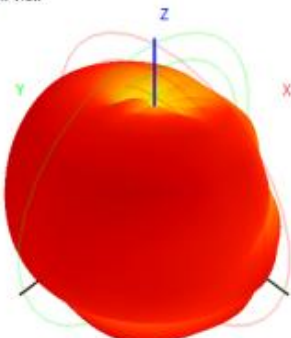
Back View



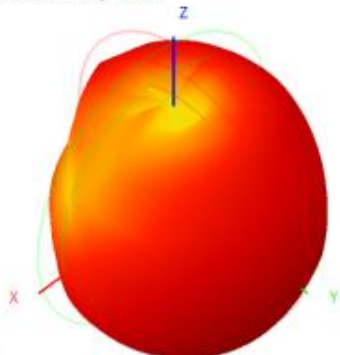
2440.0MHz Total, Eff: 3.1%



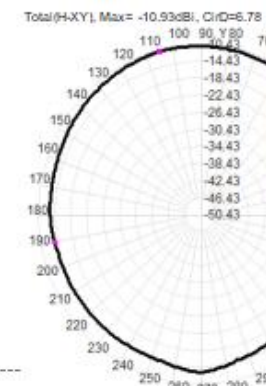
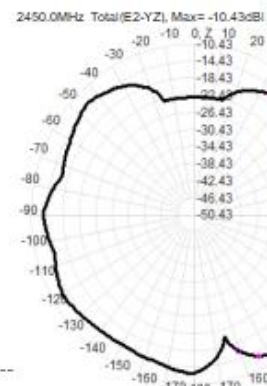
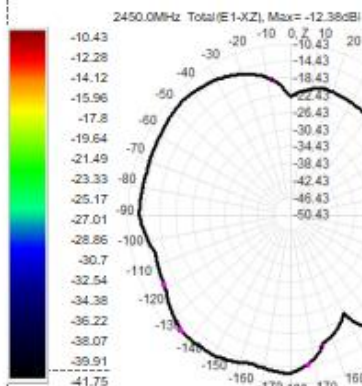
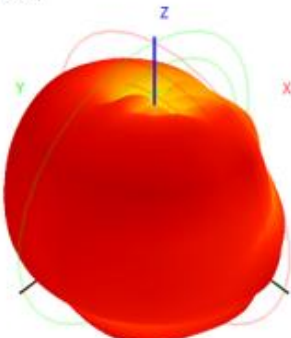
Back View



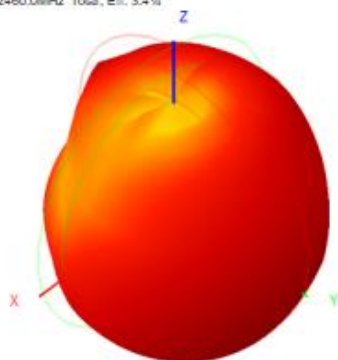
2450.0MHz Total, Eff: 3.8%



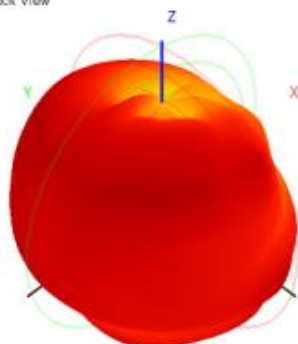
Back View



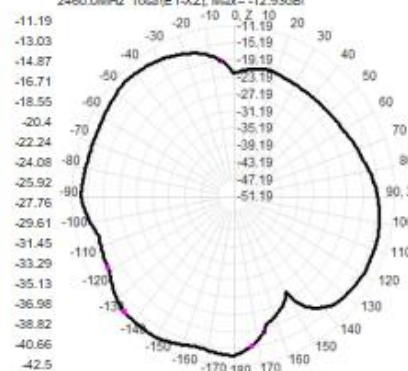
2460.0MHz Total, Eff: 3.4%



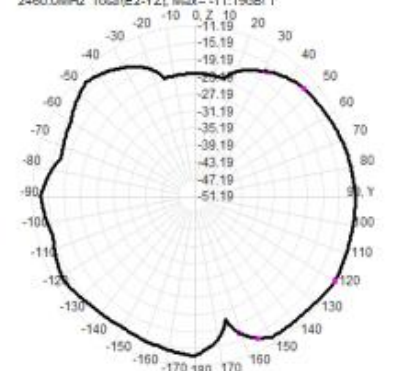
Back View



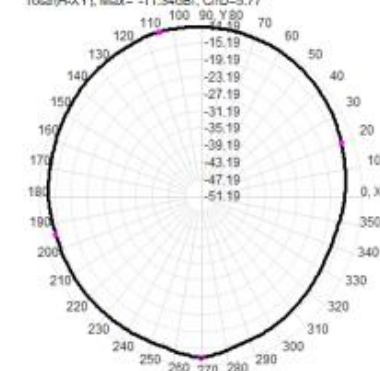
2460.0MHz Total(E1-XZ), Max=-12.93dBi



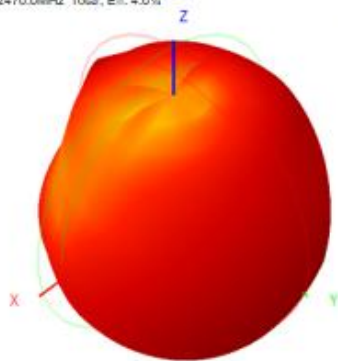
2460.0MHz Total(E2-YZ), Max=-11.19dBi



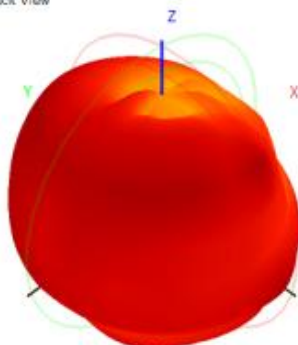
Total(H+XY), Max=-11.34dBi, C/D=5.77



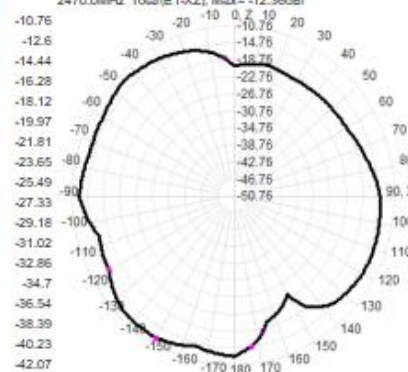
2470.0MHz Total, Eff: 4.0%



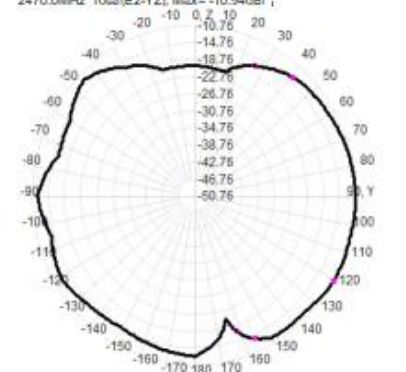
Back View



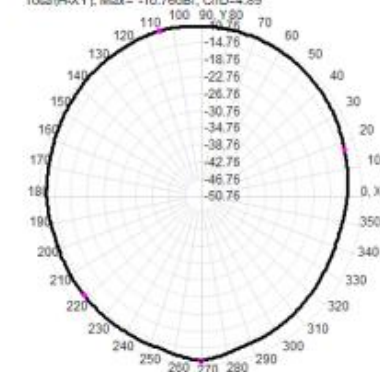
2470.0MHz Total(E1-XZ), Max=-12.36dBi



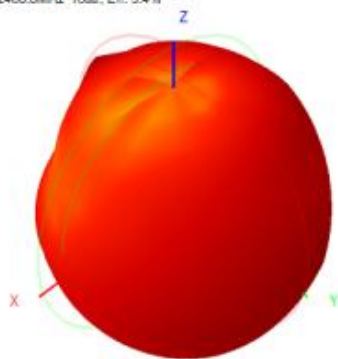
2470.0MHz Total(E2-YZ), Max=-10.94dBi



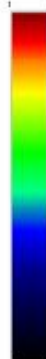
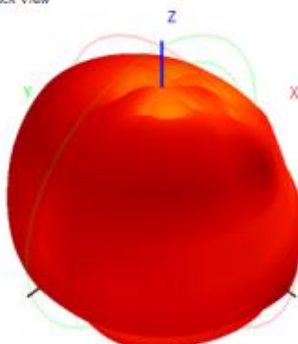
Total(H+XY), Max=-10.76dBi, C/D=4.89



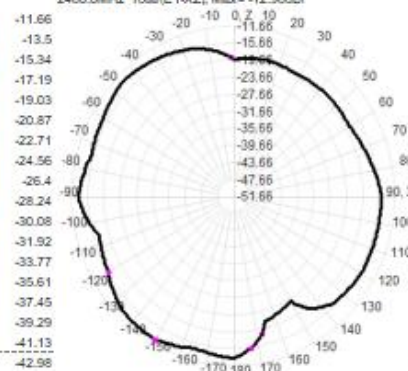
2480.0MHz Total, Eff: 3.4%



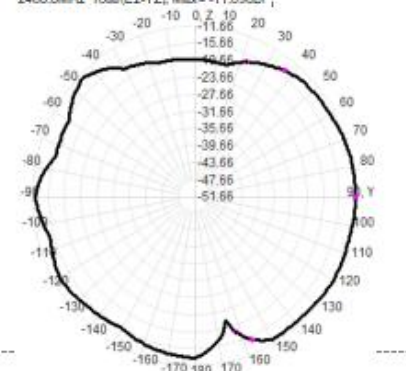
Back View



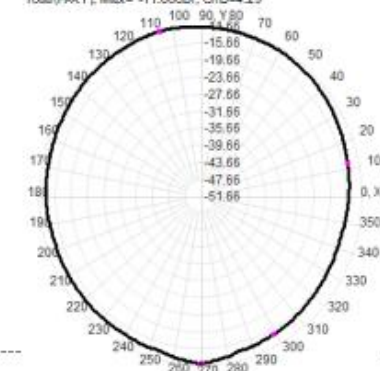
2480.0MHz Total(E1-XZ), Max=-12.98dBi



2480.0MHz Total(E2-YZ), Max=-11.89dBi

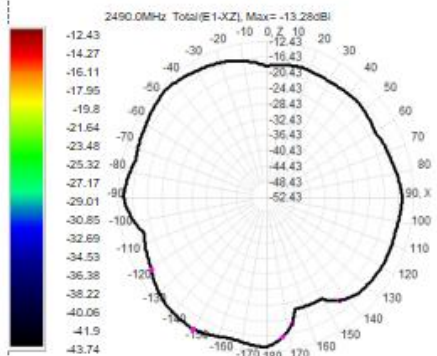
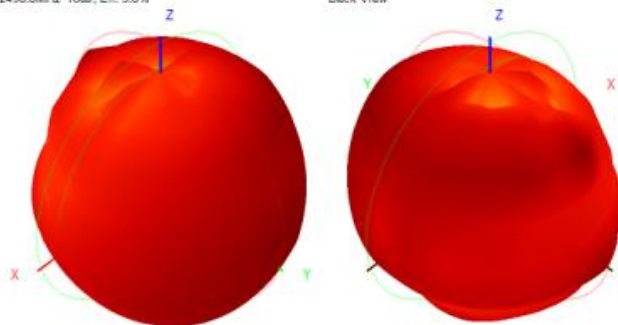


Total(H+XY), Max=-11.66dBi, C/D=4.29

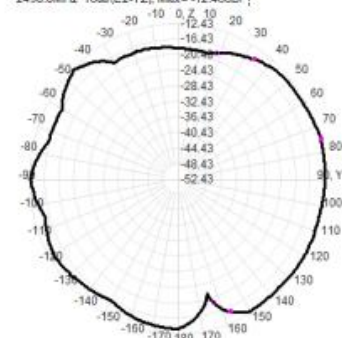


2490.0MHz Total, Eff: 3.0%

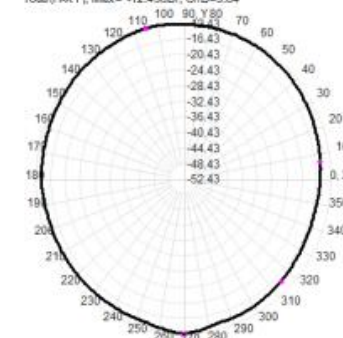
Back View



2490.0MHz Total(E2-YZ), Max=-12.48dBi

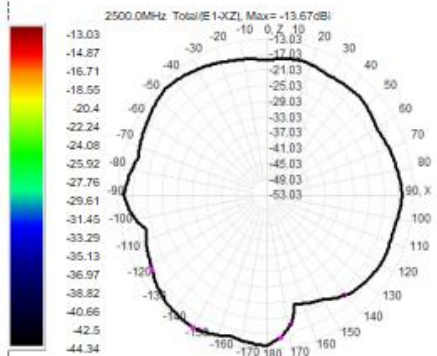
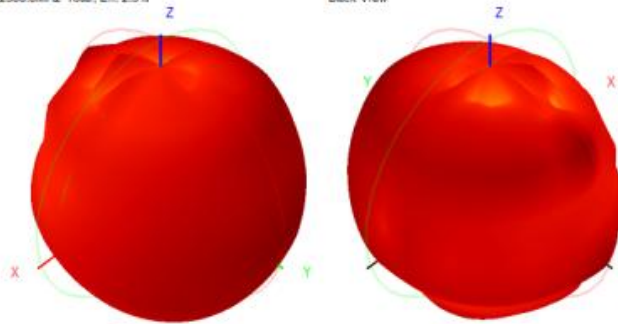


Total(H-XY), Max=-12.43dBi, C/D=3.84

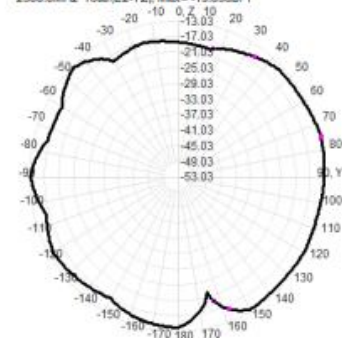


2500.0MHz Total, Eff: 2.5%

Back View



2500.0MHz Total(E2-YZ), Max=-13.03dBi



Total(H-XY), Max=-13.33dBi, C/D=3.39

