

2.4G Antenna specification

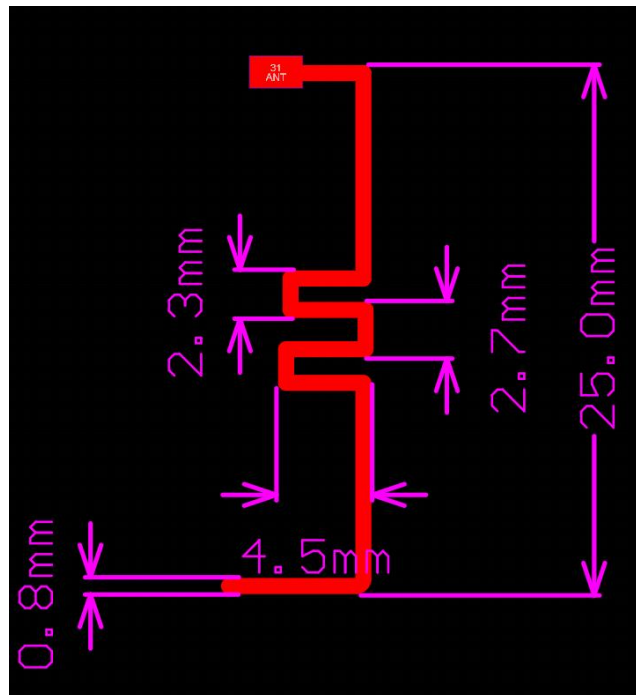
Manufacturer : Shenzhen Ethereal Pro Electronic Limited

1. Introduction

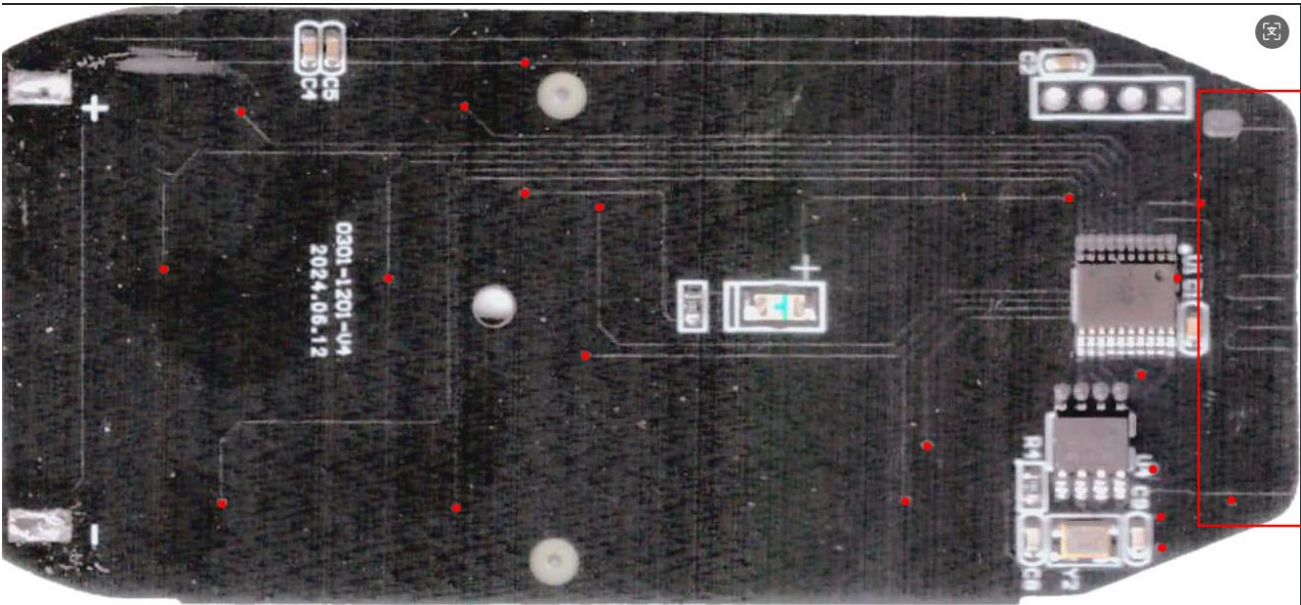
Our 2.4G Antenna is directly made on the PCB board, the antenna is copper and tin-spray process, copper foil thickness: H/H0Z, the plate is FR-4 thickness 1.0mm material.

2. Dimension drawing

14.4*5.3*3.0*0.5mm



3. Physical drawing:



4. Antenna parameter

PCB Antenna	
Frequency (MHz)	2400-2500MHz
VSWR	≤ 2.89
Impedance	50 Ohm Nominal
Radiation	Omni-directional
Gain (Peak)	-2.25dBi (Max)
Polarization	Linear, Vertical
Admitted Power	2W
Connector	Tin

5. Antenna Gain

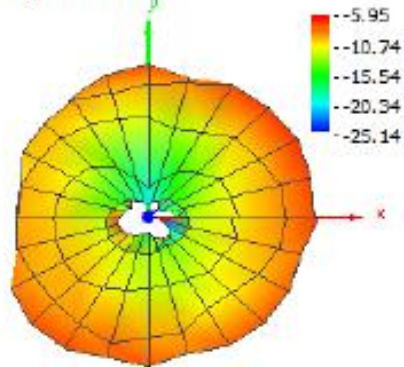
Spectrum Detector:	PK	Test Date :	May 2, 2021
Test By:	Andy	Temperature:	28°C
Test Result:	PASS	Humidity :	55 %
Modulation:	GFSK		

Frequency Limit (MHz)	Gain (dBi)
2400	-2.94
2410	-2.78
2420	-2.49
2430	-2.47
2440	-2.58
2450	-2.60
2460	-2.81
2470	-2.25
2480	-2.63

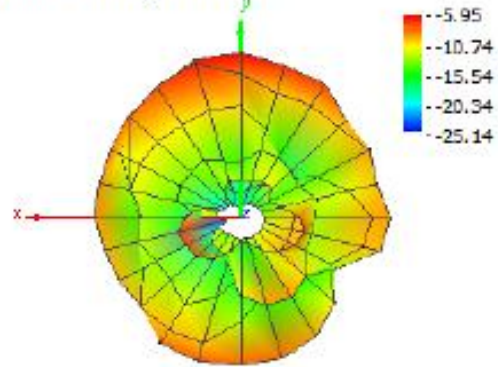
2D/3D Pattern:

2400.00 MHz

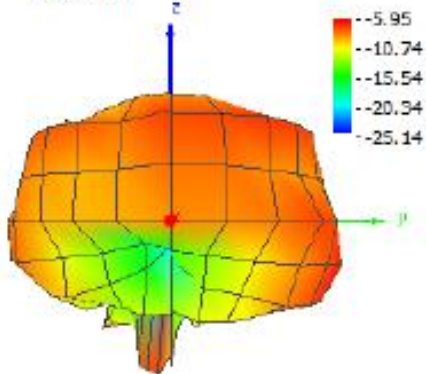
Theta = 0, Phi = 0



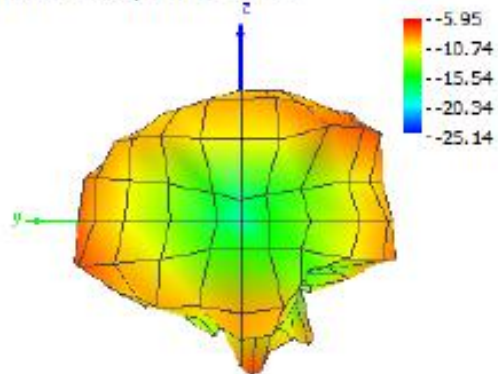
Theta = 180, Phi = 0



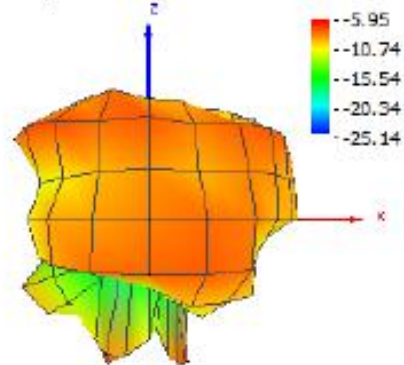
Theta = 90, Phi = 0



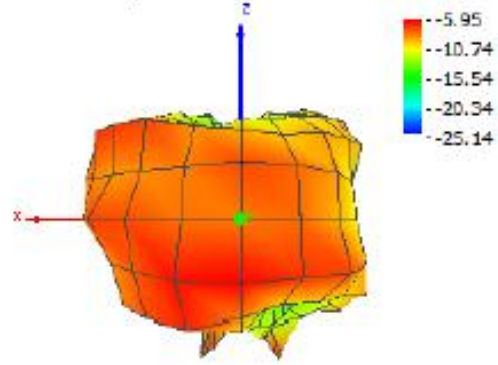
Theta = 90, Phi = 180



Theta = 90, Phi = 270

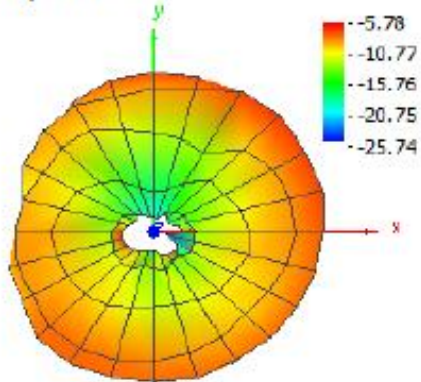


Theta = 90, Phi = 90

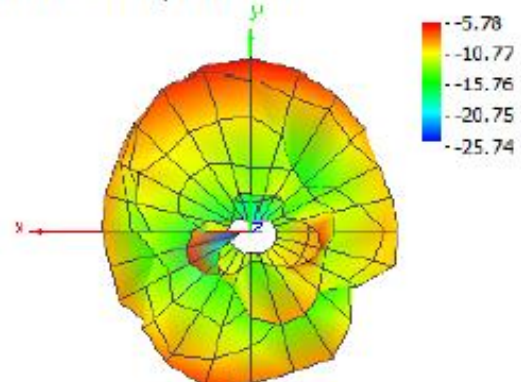


2410.00MHz

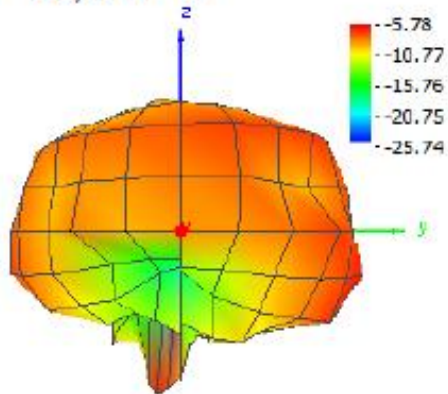
Theta = 0, Phi = 0



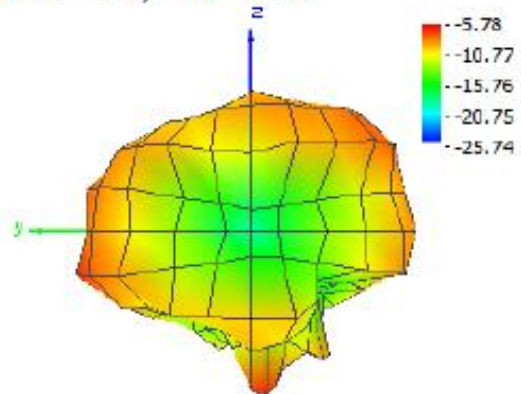
Theta = 180, Phi = 0



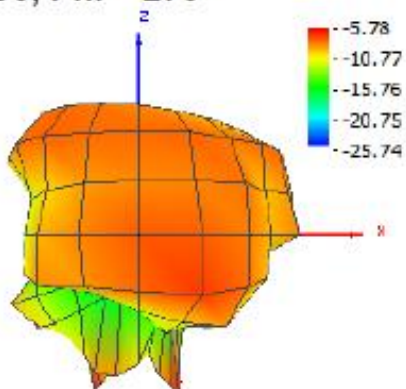
Theta = 90, Phi = 0



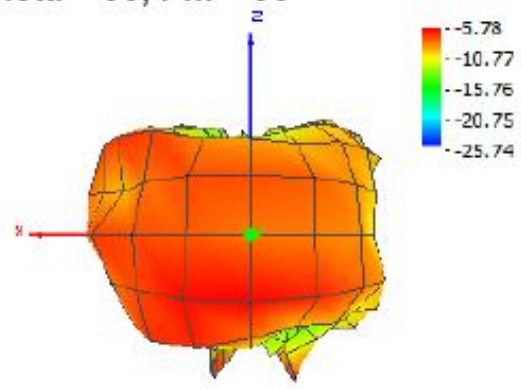
Theta = 90, Phi = 180



Theta = 90, Phi = 270

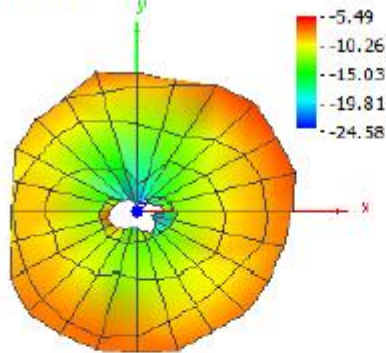


Theta = 90, Phi = 90

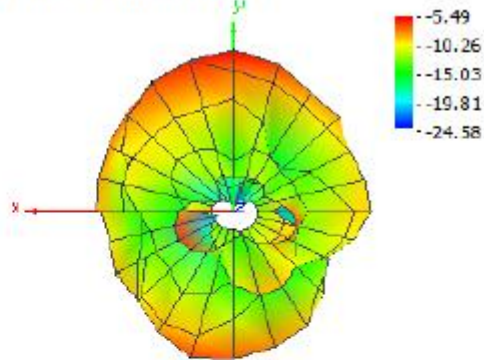


2420.00MHz

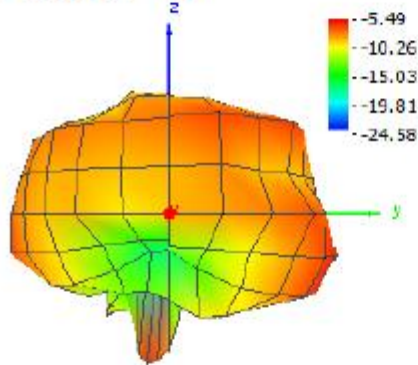
Theta = 0, Phi = 0



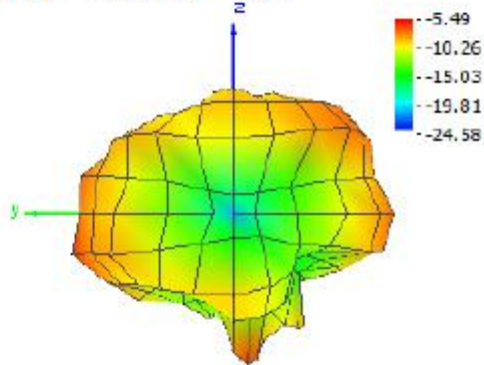
Theta = 180, Phi = 0



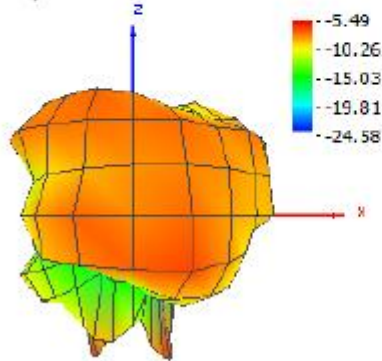
Theta = 90, Phi = 0



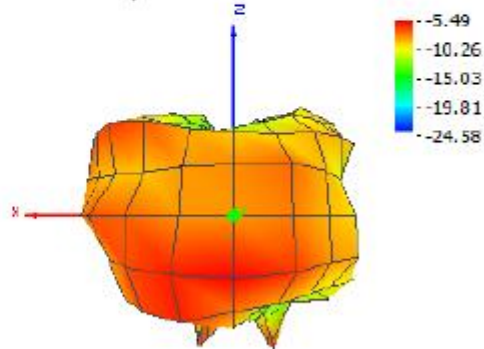
Theta = 90, Phi = 180



Theta = 90, Phi = 270

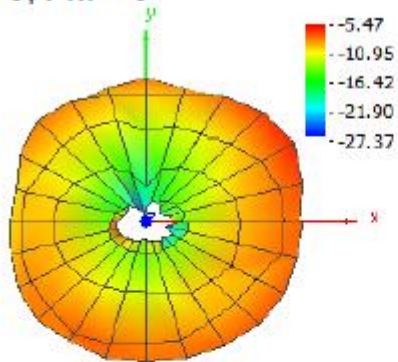


Theta = 90, Phi = 90

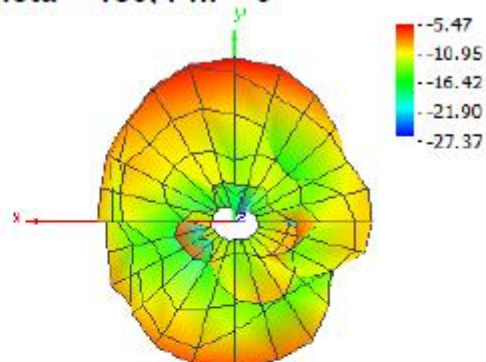


2430.00MHz

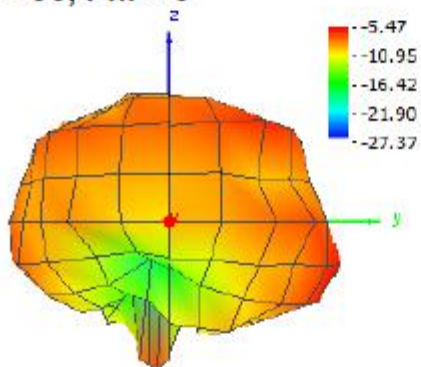
Theta = 0, Phi = 0



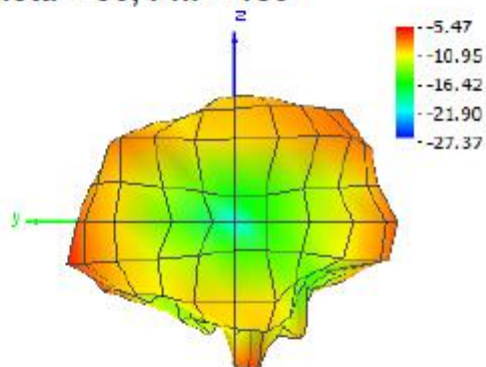
Theta = 180, Phi = 0



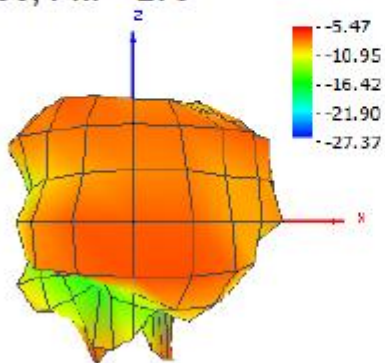
Theta = 90, Phi = 0



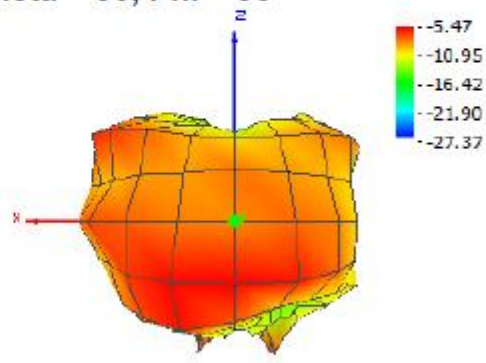
Theta = 90, Phi = 180



Theta = 90, Phi = 270

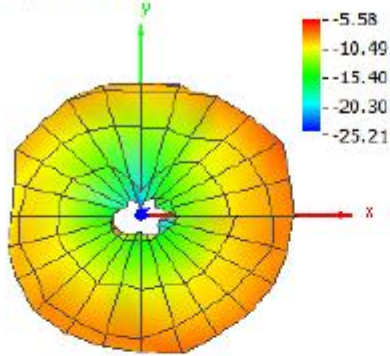


Theta = 90, Phi = 90

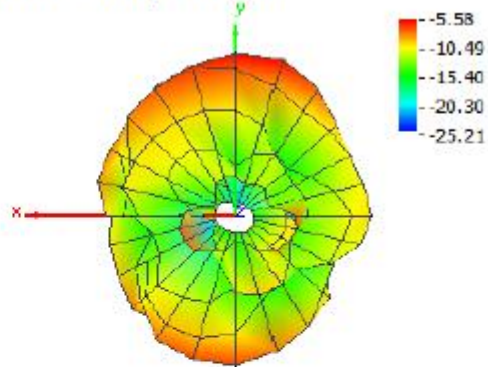


2440.00MHz

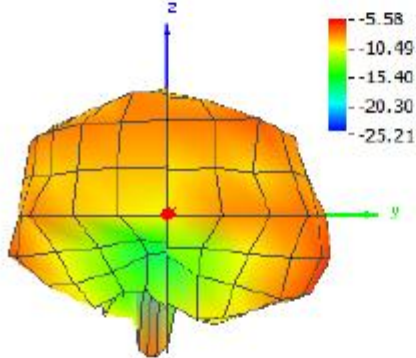
Theta = 0, Phi = 0



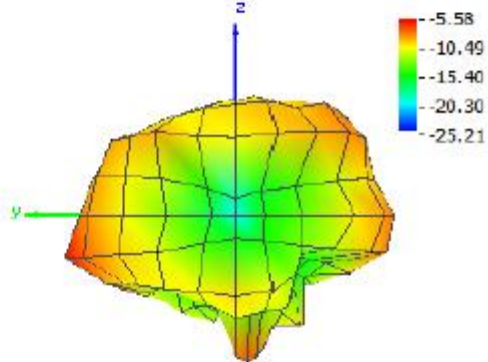
Theta = 180, Phi = 0



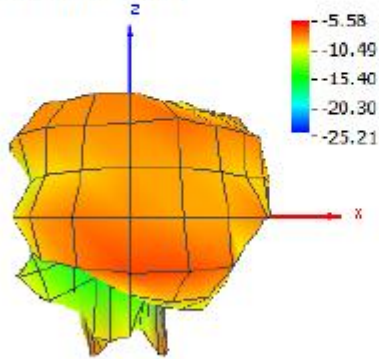
Theta = 90, Phi = 0



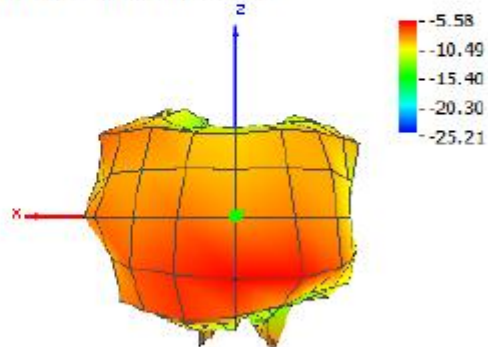
Theta = 90, Phi = 180



Theta = 90, Phi = 270

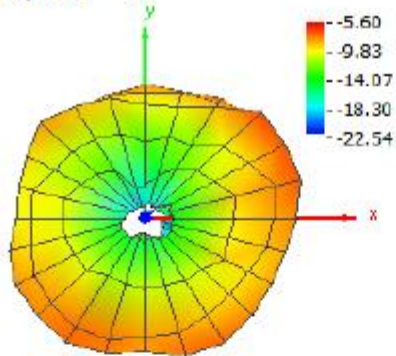


Theta = 90, Phi = 90

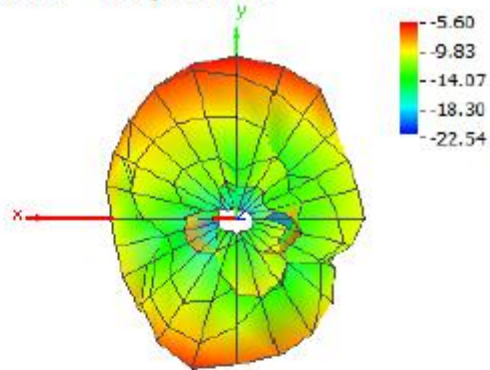


2450.00MHz

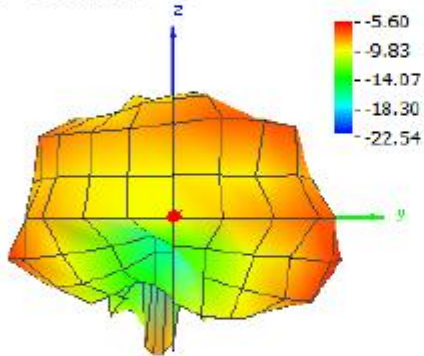
Theta = 0, Phi = 0



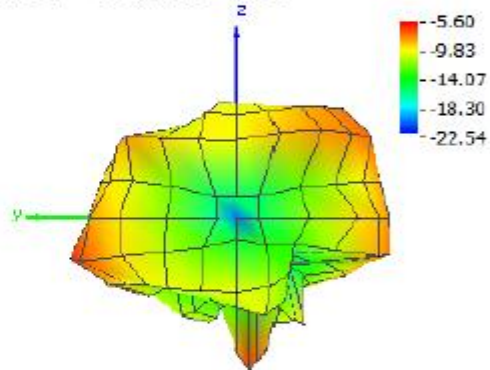
Theta = 180, Phi = 0



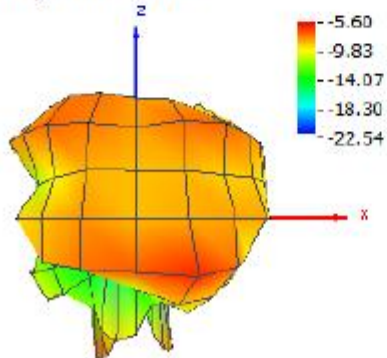
Theta = 90, Phi = 0



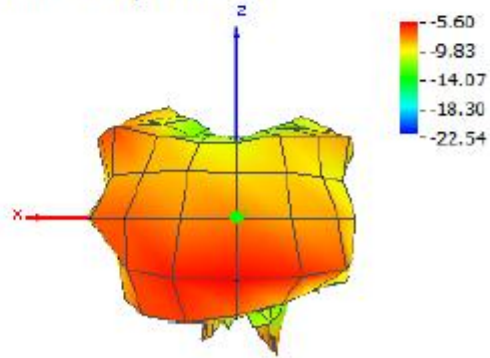
Theta = 90, Phi = 180



Theta = 90, Phi = 270

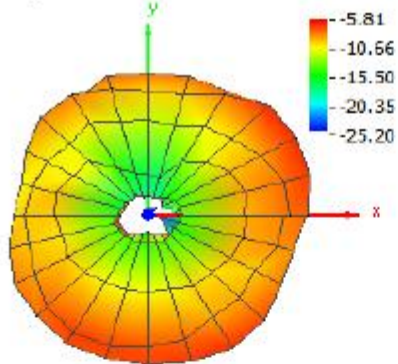


Theta = 90, Phi = 90

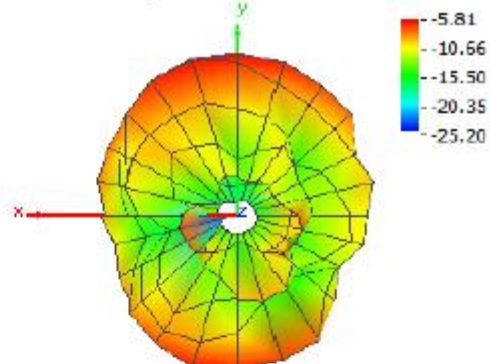


2460.00MHz

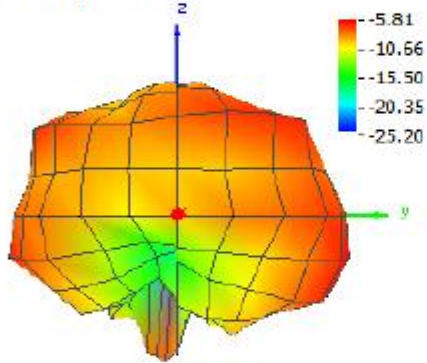
Theta = 0, Phi = 0



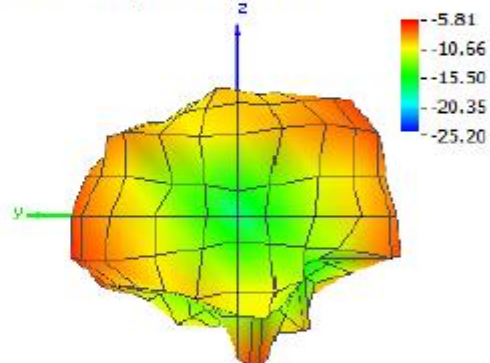
Theta = 180, Phi = 0



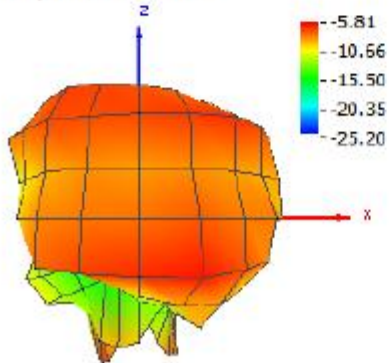
Theta = 90, Phi = 0



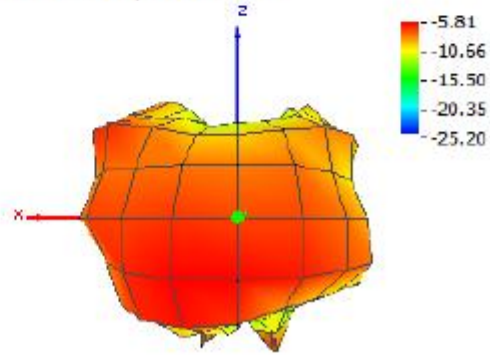
Theta = 90, Phi = 180



Theta = 90, Phi = 270

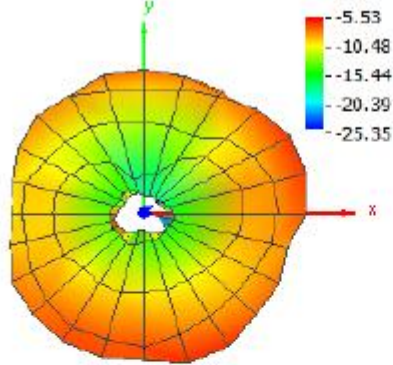


Theta = 90, Phi = 90

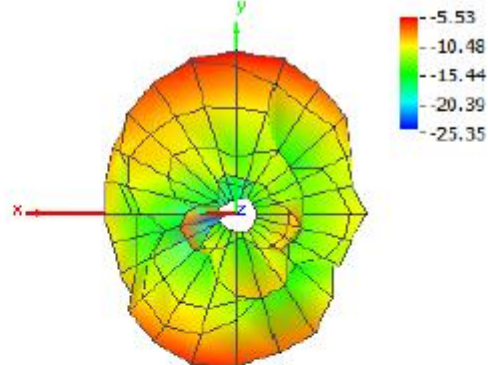


2470.00MHz

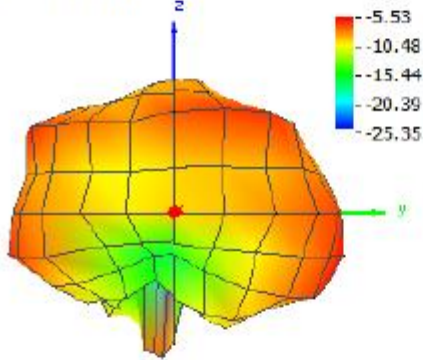
Theta = 0, Phi = 0



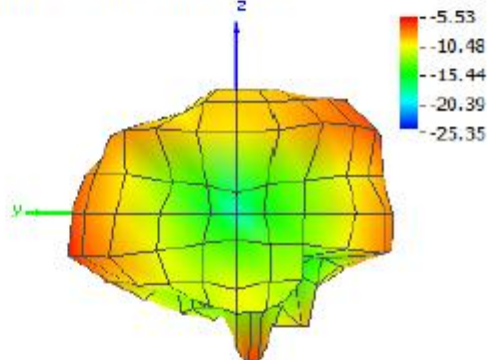
Theta = 180, Phi = 0



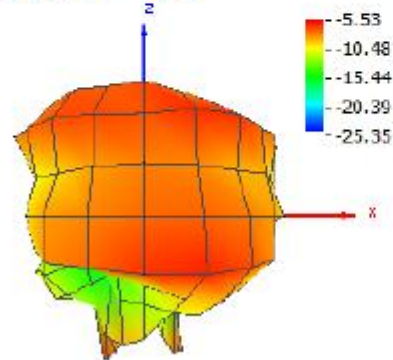
Theta = 90, Phi = 0



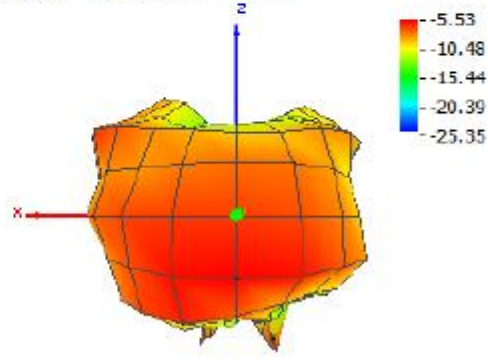
Theta = 90, Phi = 180



Theta = 90, Phi = 270

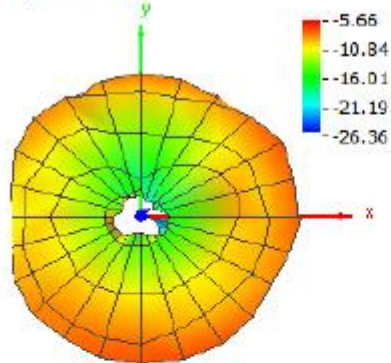


Theta = 90, Phi = 90

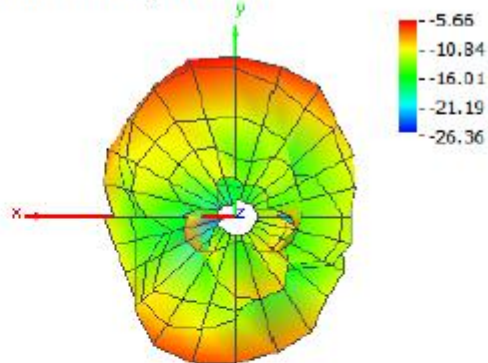


2500.00MHz

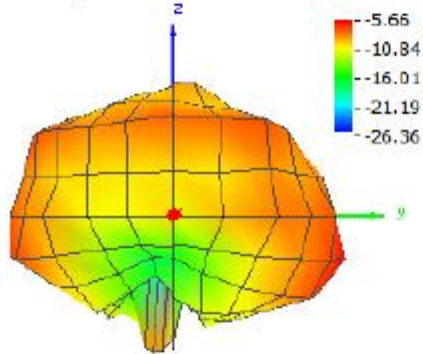
Theta = 0, Phi = 0



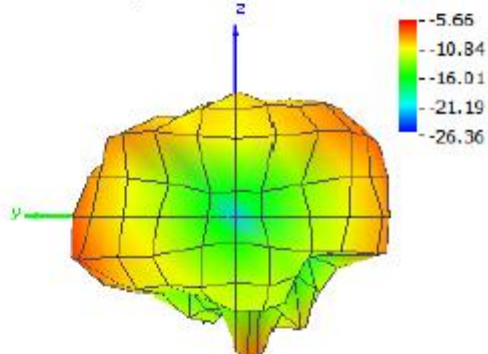
Theta = 180, Phi = 0



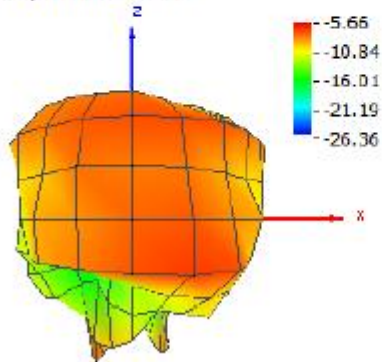
Theta = 90, Phi = 0



Theta = 90, Phi = 180



Theta = 90, Phi = 270



Theta = 90, Phi = 90

