

Antenna Test Report

APPLICANT : Meta Platforms Technologies Limited

EQUIPMENT : VR Controller

BRAND NAME : Meta

MODEL NAME : LW9 AND VM4

Table of Contents

1. Peak Gain -----	3
2. Gain Plots -----	4

1. TX Antenna Peak Gain

Test / Position	Free Space		
bands	Frequency	TX Antenna Peak Gain	
		Left	Right
nRF	2402-2480MHz	2.65 dBi	1.97 dBi
WiFi 2.4G	2457– 2462MHz	0.91 dBi	0.00 dBi
WiFi 5G W52	5180-5240MHz	2.19 dBi	2.49 dBi
WiFi 5G W53	5260-5320MHz	2.47 dBi	2.96 dBi
WiFi 5G W56	5500-5700MHz	3.90 dBi	2.83 dBi
WiFi 5G W58	5725~5850MHz	3.92 dBi	3.09 dBi

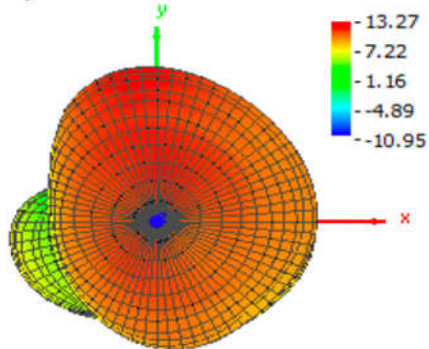
Test Setup information:

- OTA chamber: R&S 4 meter
- Active and Conducted instrument: R&S NRQ6
- Passive instrument: Keysight ENA E5080B

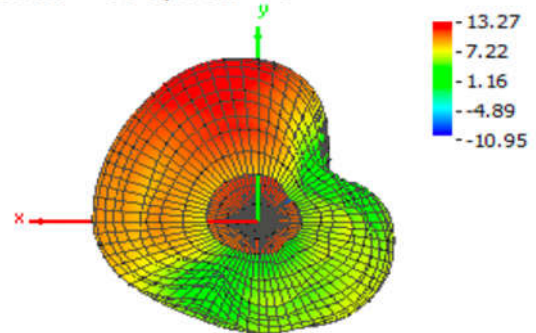
2. Gain Plots

Pulsar – Right Controller, 2440 MHz

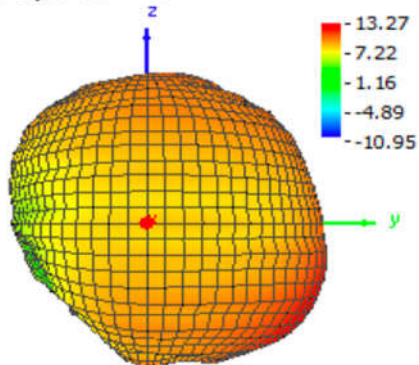
Theta = 0, Phi = 0



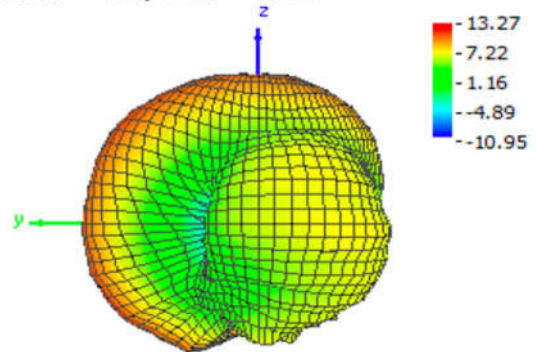
Theta = 180, Phi = 0



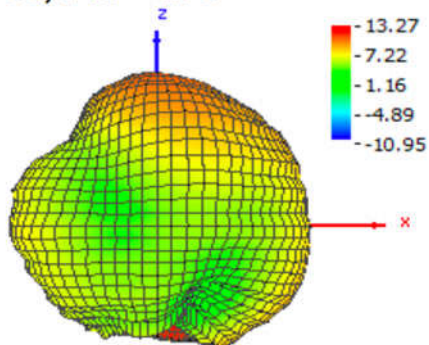
Theta = 90, Phi = 0



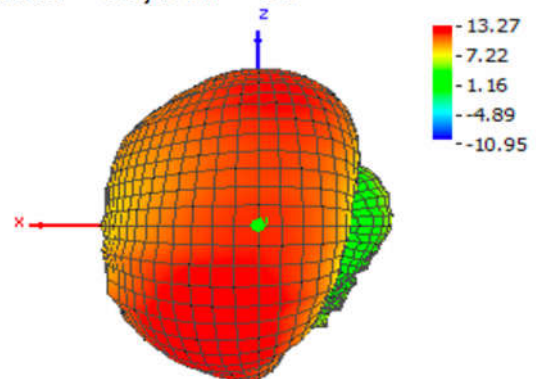
Theta = 90, Phi = 180



Theta = 90, Phi = 270

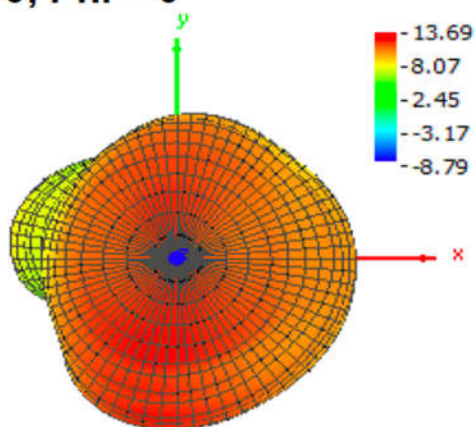


Theta = 90, Phi = 90

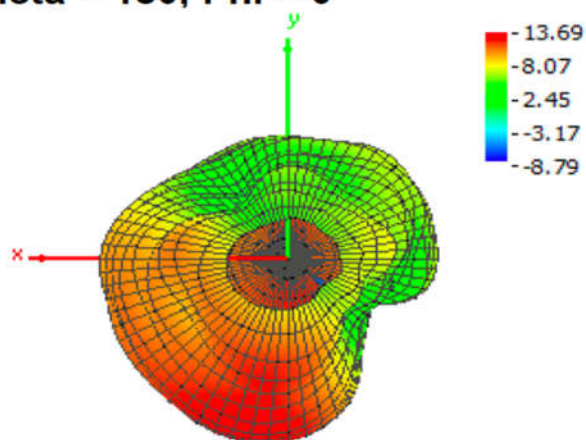


Pulsar – Left Controller, 2440 MHz

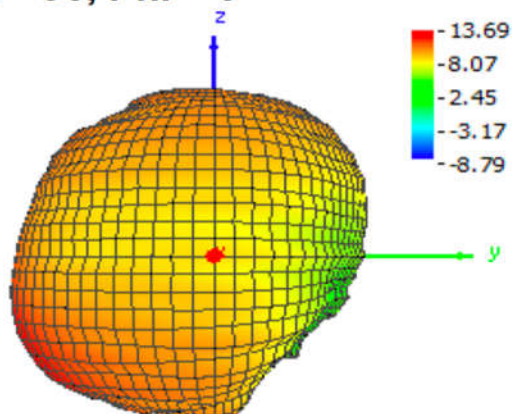
Theta = 0, Phi = 0



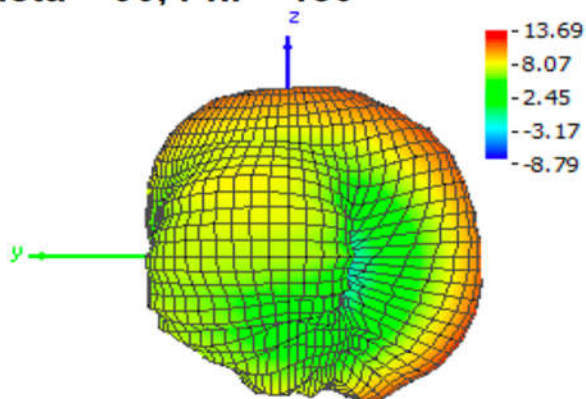
Theta = 180, Phi = 0



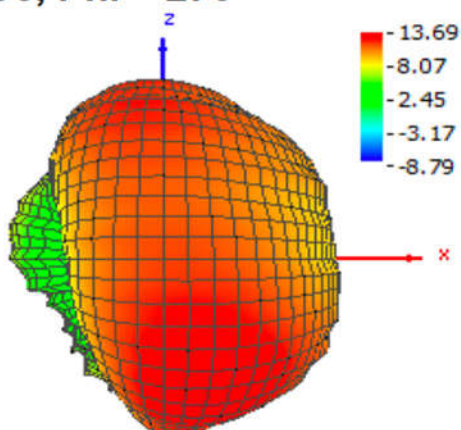
Theta = 90, Phi = 0



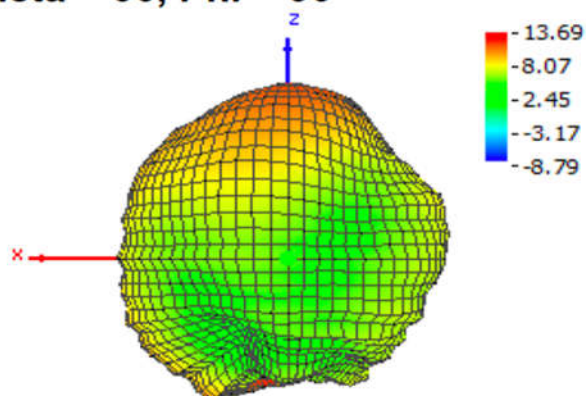
Theta = 90, Phi = 180



Theta = 90, Phi = 270

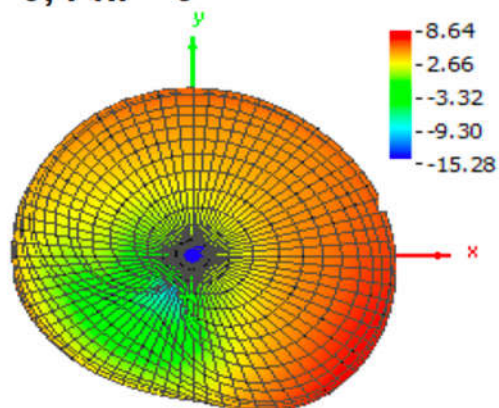


Theta = 90, Phi = 90

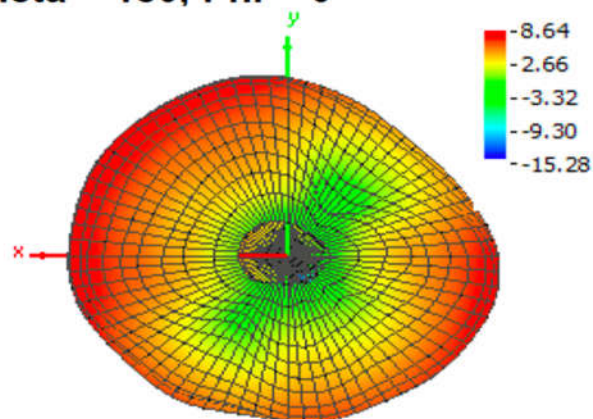


Wi-Fi 2.4 GHz– Right Controller, 2457 MHz

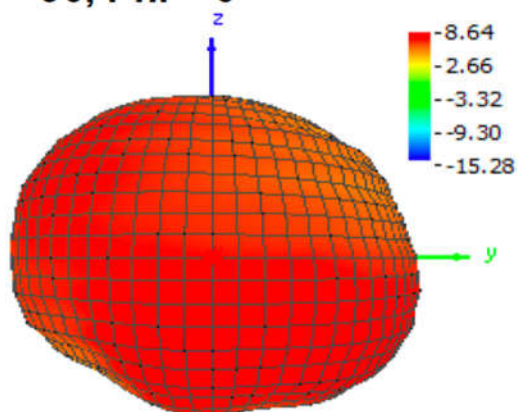
Theta = 0, Phi = 0



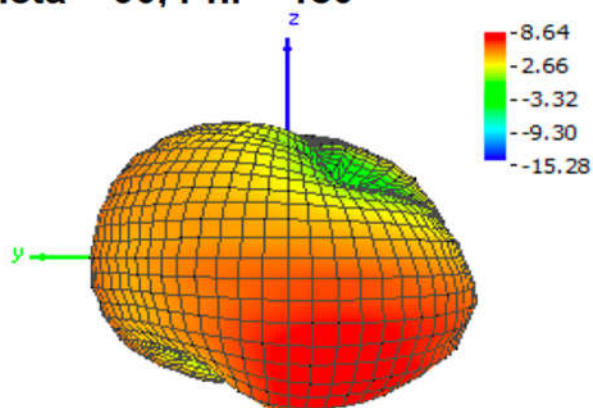
Theta = 180, Phi = 0



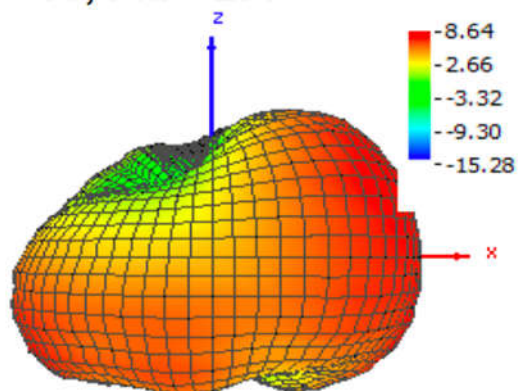
Theta = 90, Phi = 0



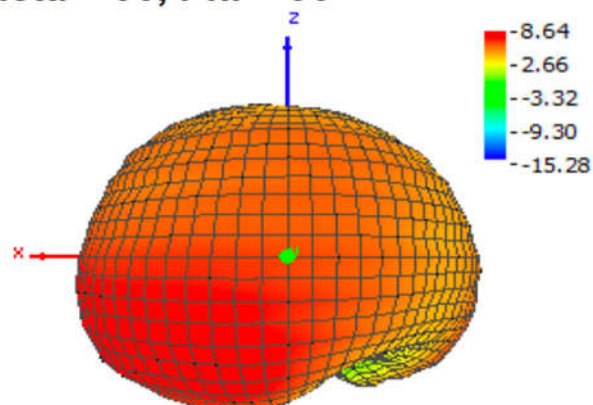
Theta = 90, Phi = 180



Theta = 90, Phi = 270

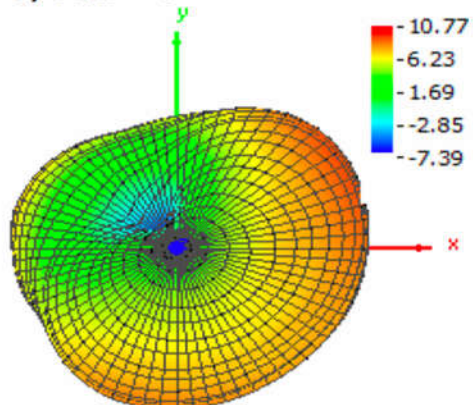


Theta = 90, Phi = 90

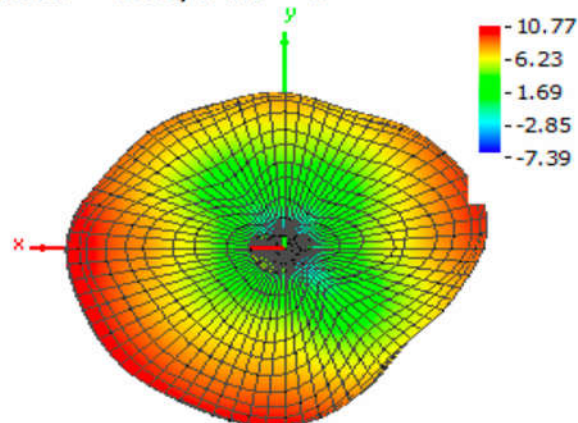


Wi-Fi 2.4 GHz– Left Controller, 2457 MHz

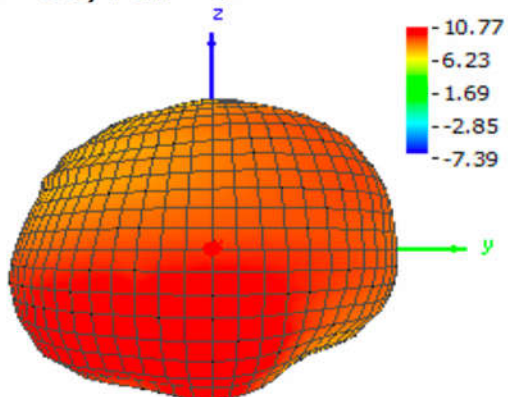
Theta = 0, Phi = 0



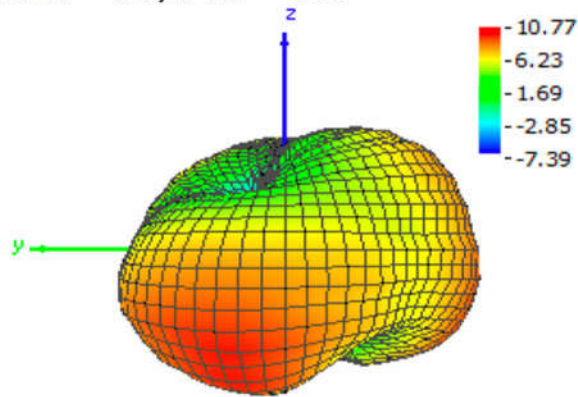
Theta = 180, Phi = 0



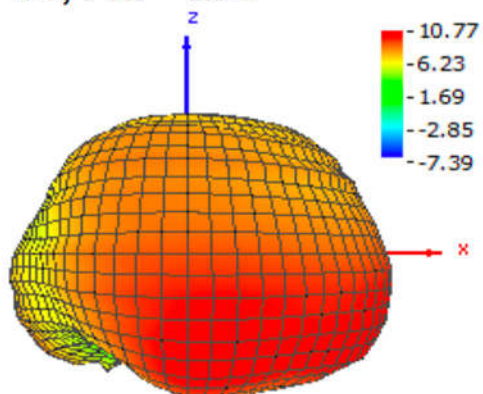
Theta = 90, Phi = 0



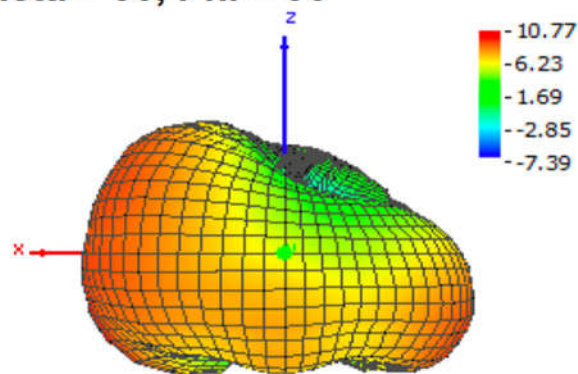
Theta = 90, Phi = 180



Theta = 90, Phi = 270

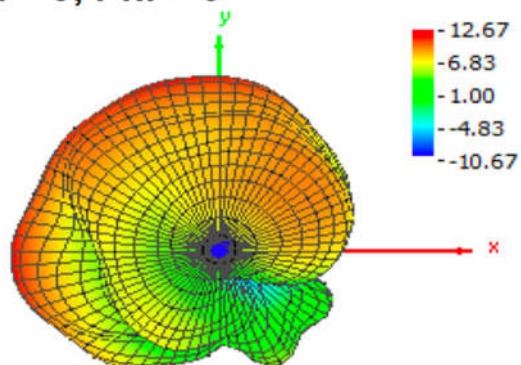


Theta = 90, Phi = 90

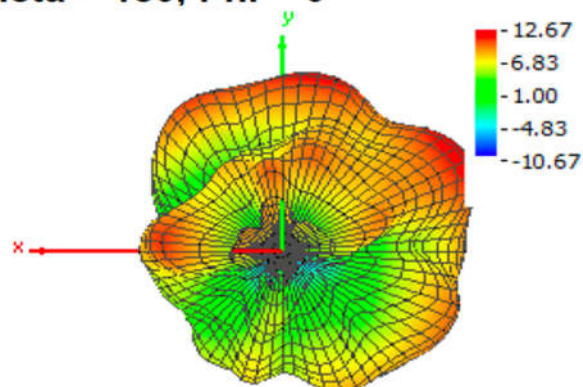


Wi-Fi 5 GHz– Right Controller, 5500 MHz

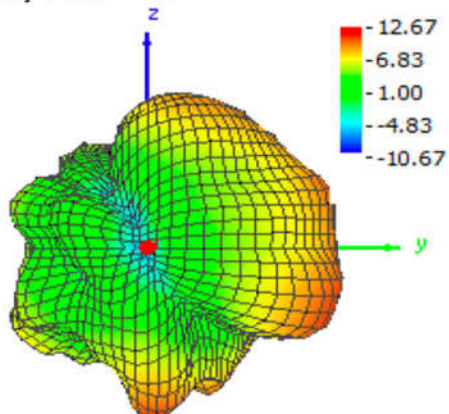
Theta = 0, Phi = 0



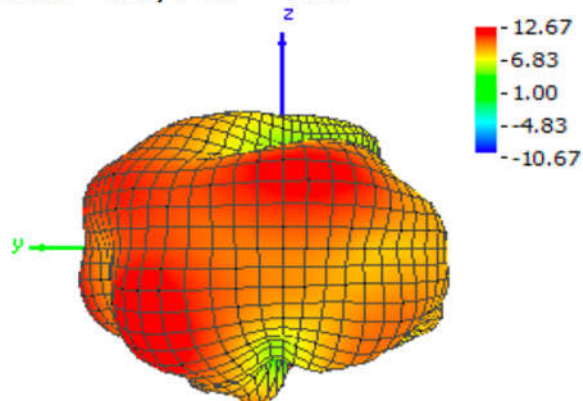
Theta = 180, Phi = 0



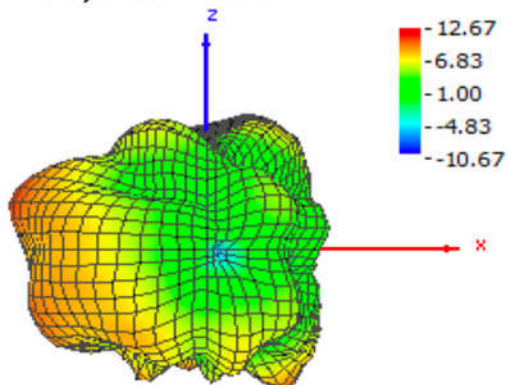
Theta = 90, Phi = 0



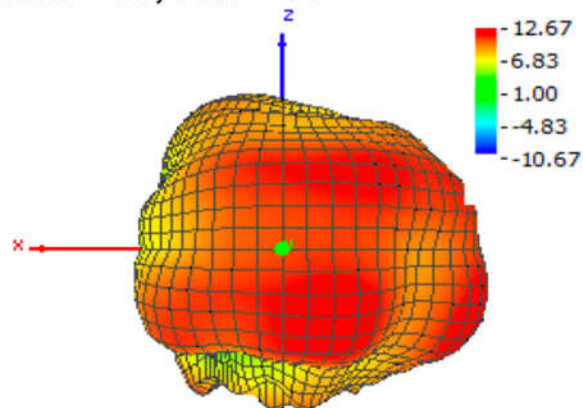
Theta = 90, Phi = 180



Theta = 90, Phi = 270

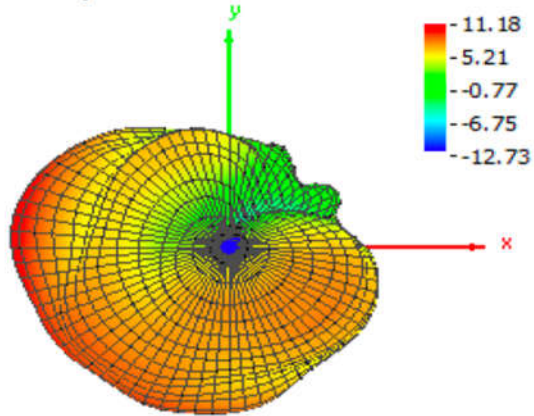


Theta = 90, Phi = 90

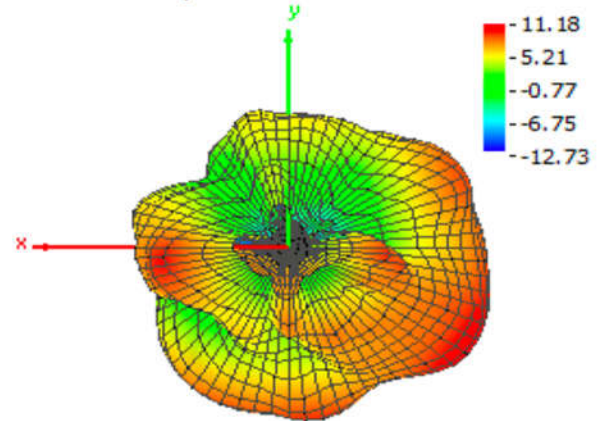


Wi-Fi 5 GHz– Left Controller, 5500 MHz

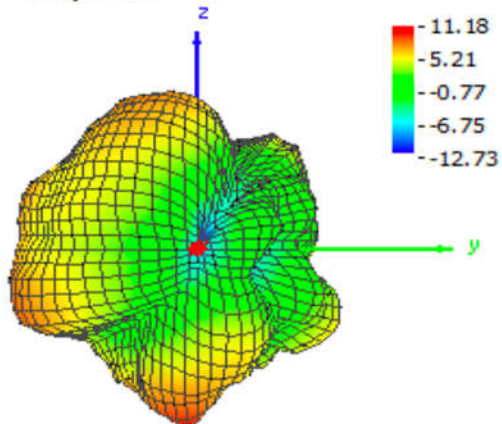
Theta = 0, Phi = 0



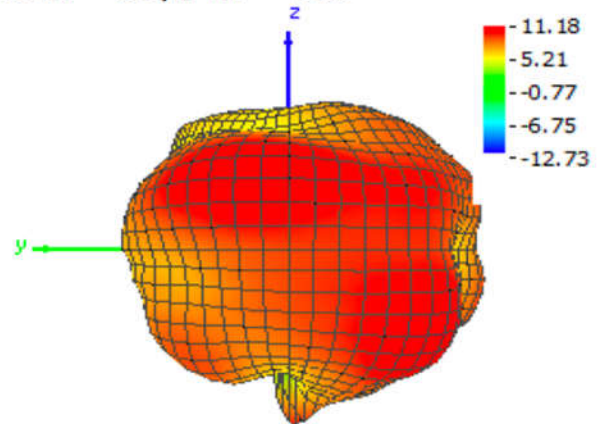
Theta = 180, Phi = 0



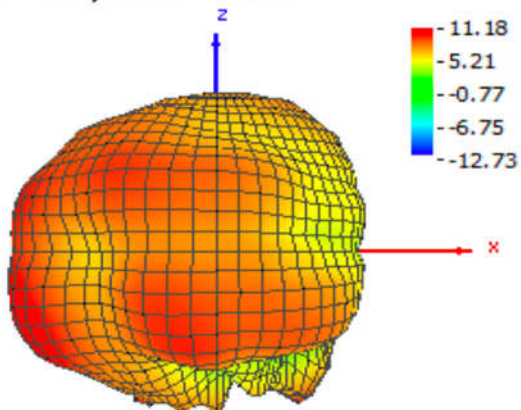
Theta = 90, Phi = 0



Theta = 90, Phi = 180



Theta = 90, Phi = 270



Theta = 90, Phi = 90

