

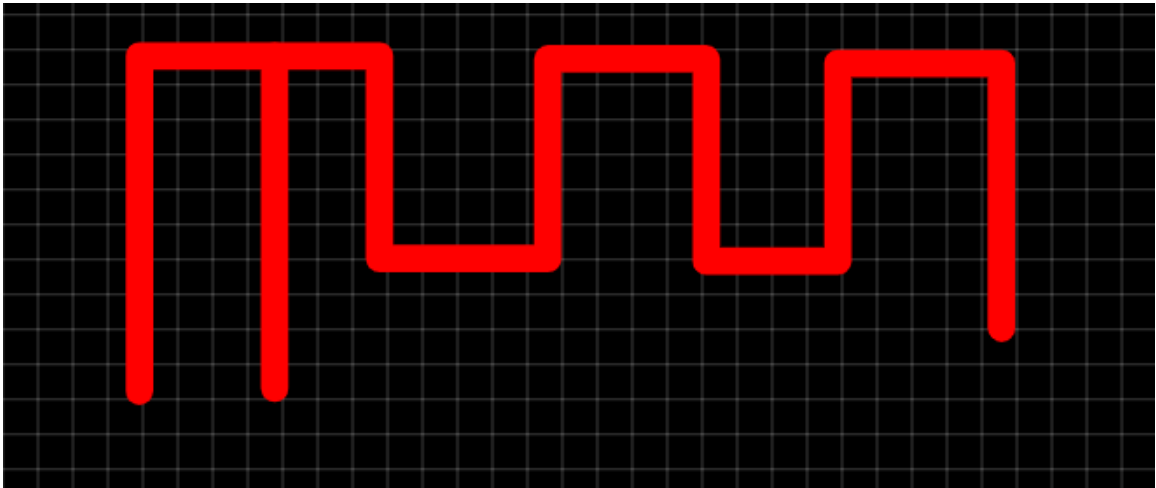
WBR3 Antenna Specification

Quick Reference Date

Antenna on the system board	
Frequency Range	2400 ~ 2500MHz
Efficiency (dB)	-2.51
Efficiency (%)	56.36%
Max Gain(dBi)	3.02
Input Impendence (ohm)	50
Polarization Type	Vertical & Horizontal
V.S.W.R	< 1.7

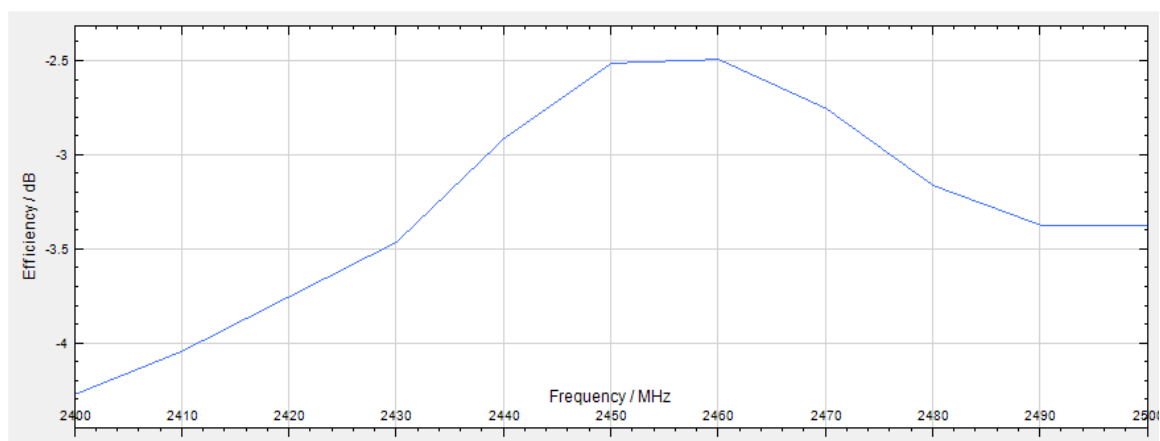
All the technical data and information contained herein are subject to change without prior notice

Antenna Layout on the system board



Efficiency

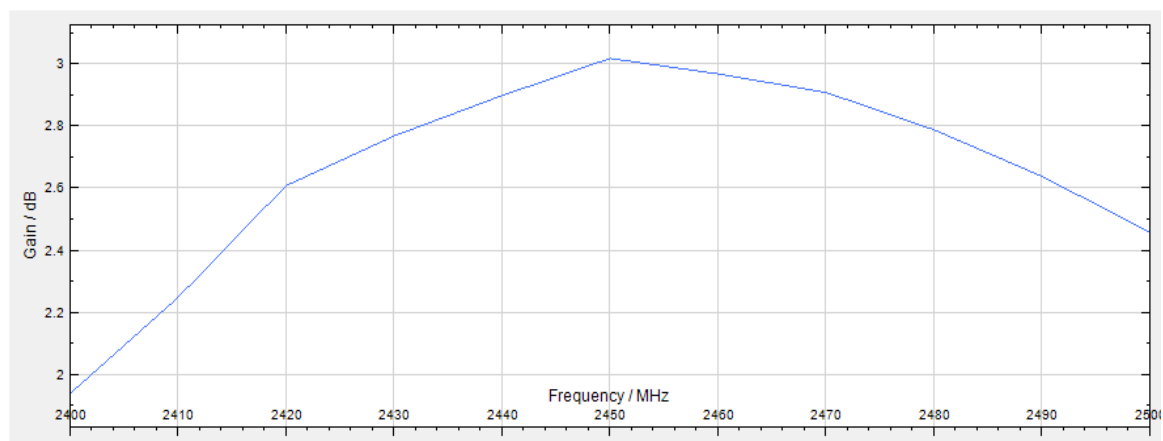
Frequency (MHz)	Efficiency (dB)	Efficiency (%)
2400	-4.27	37.41
2410	-4.04	39.45
2420	-3.75	42.17
2430	-3.46	45.08
2440	-2.91	51.17
2450	-2.51	56.10
2460	-2.49	56.36
2470	-2.75	53.09
2480	-3.16	48.31
2490	-3.37	46.03
2500	-3.37	46.03



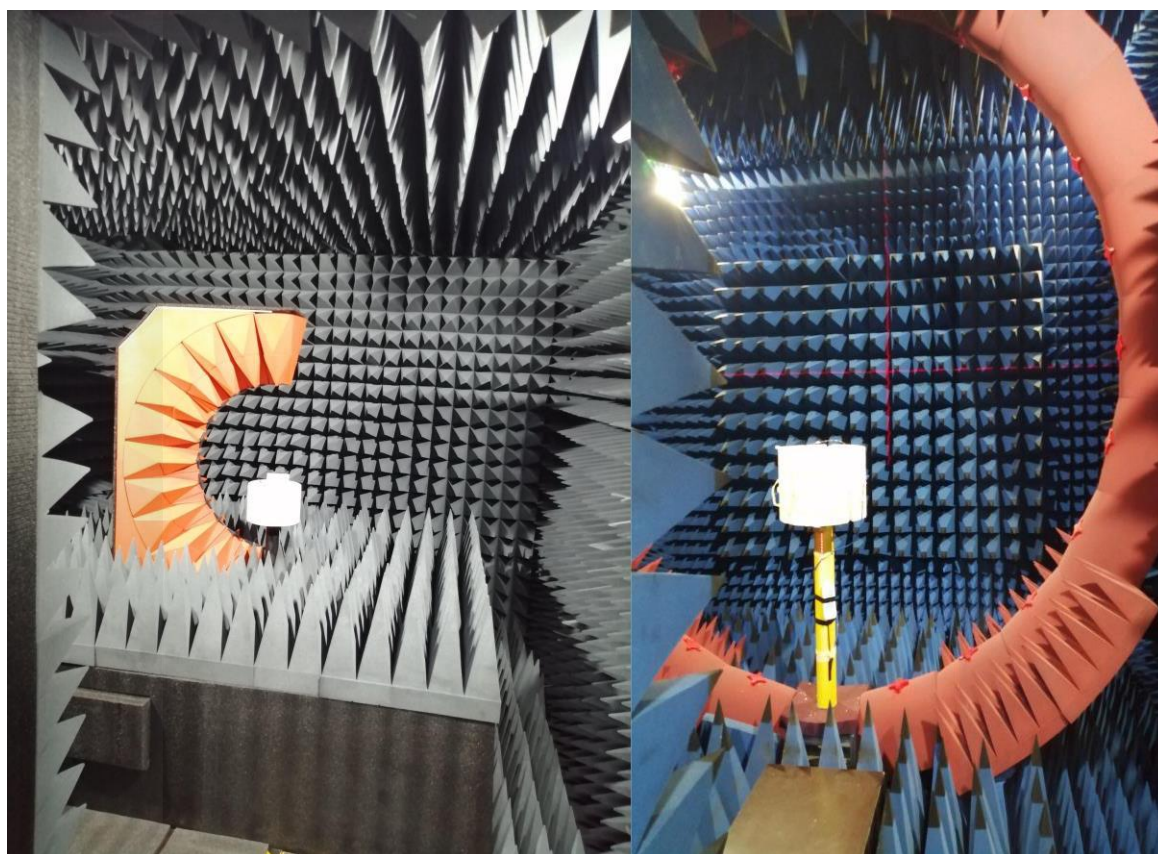
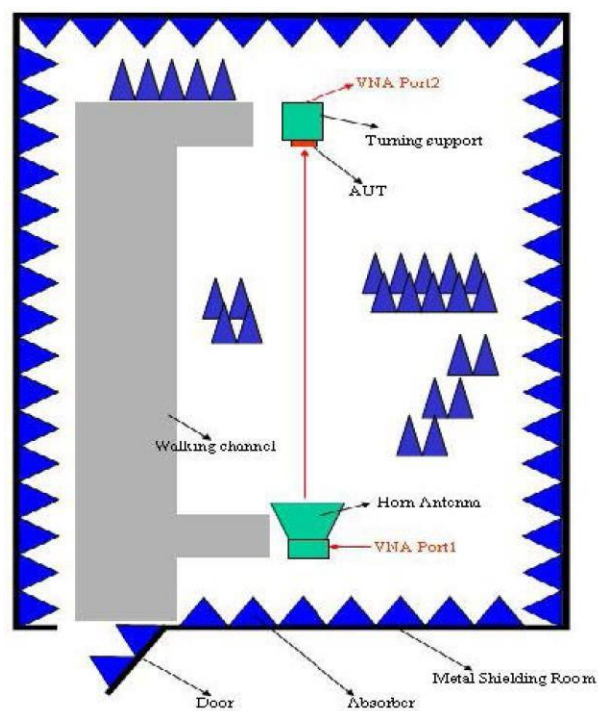
Antenna Gain

Gain Table

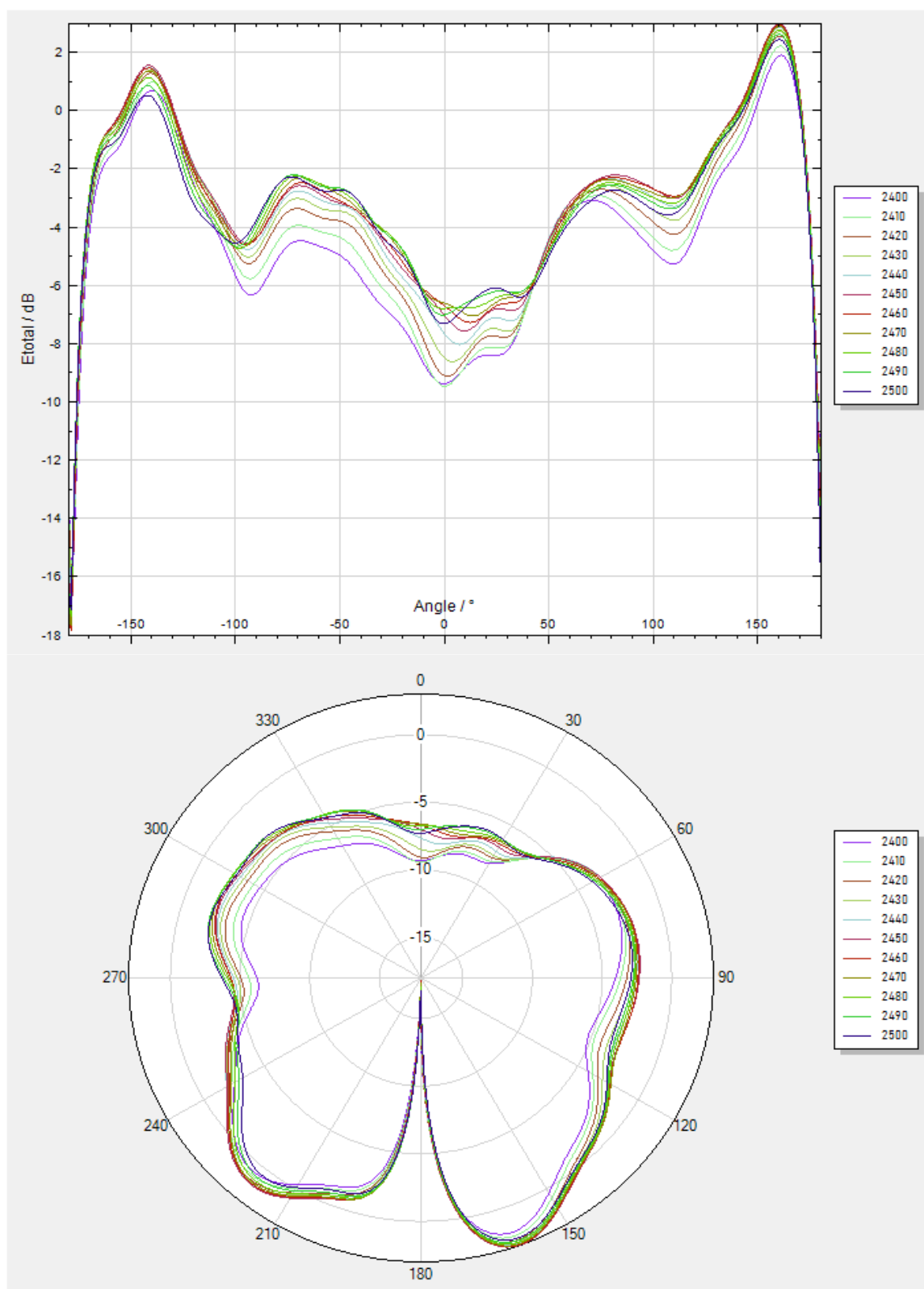
Frequency / MHz	Gain/ dBi
2400	1.94
2410	2.25
2420	2.61
2430	2.77
2440	2.90
2450	3.02
2460	2.97
2470	2.91
2480	2.79
2490	2.64
2500	2.46



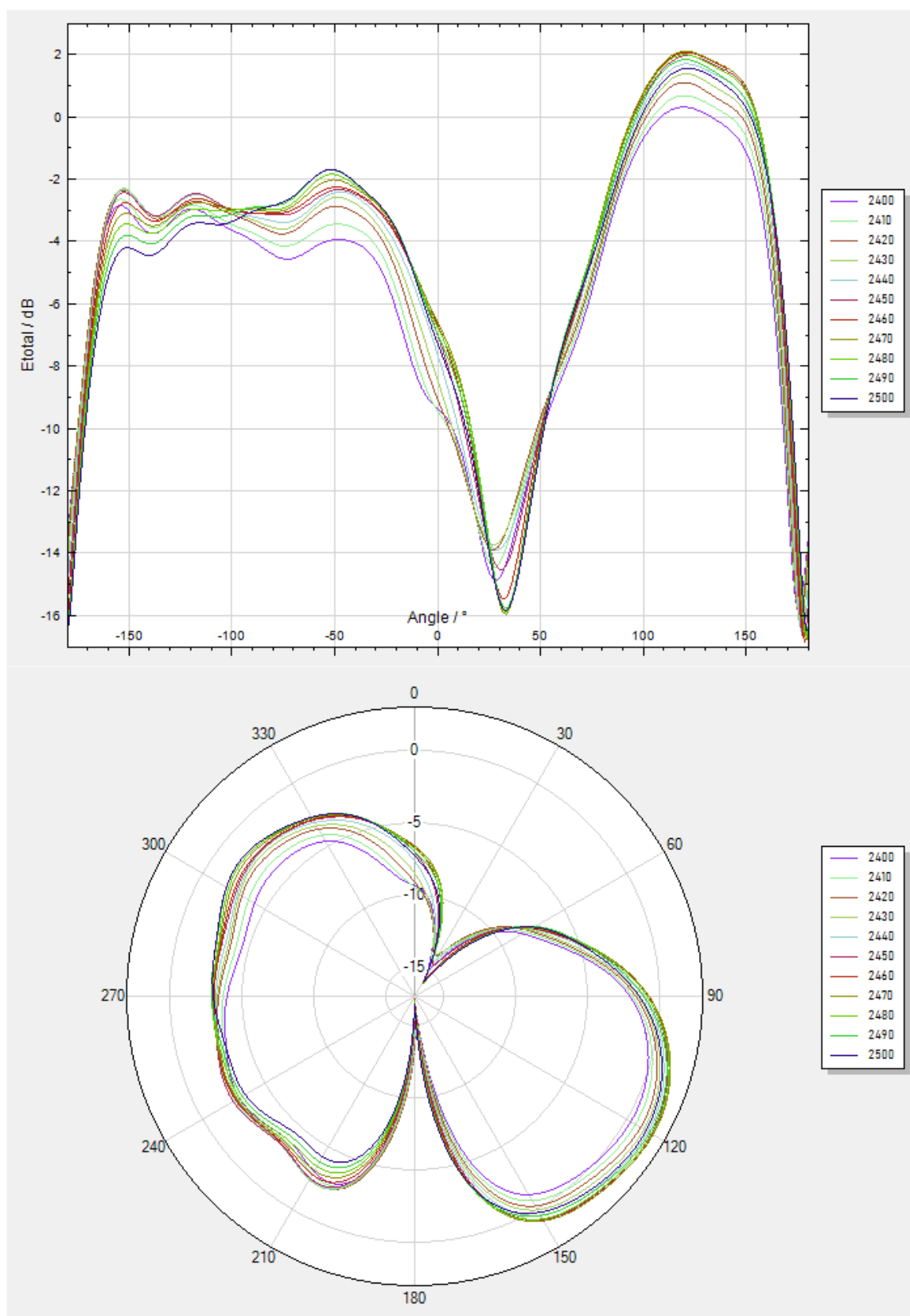
The Environment of Antenna Radiation Pattern



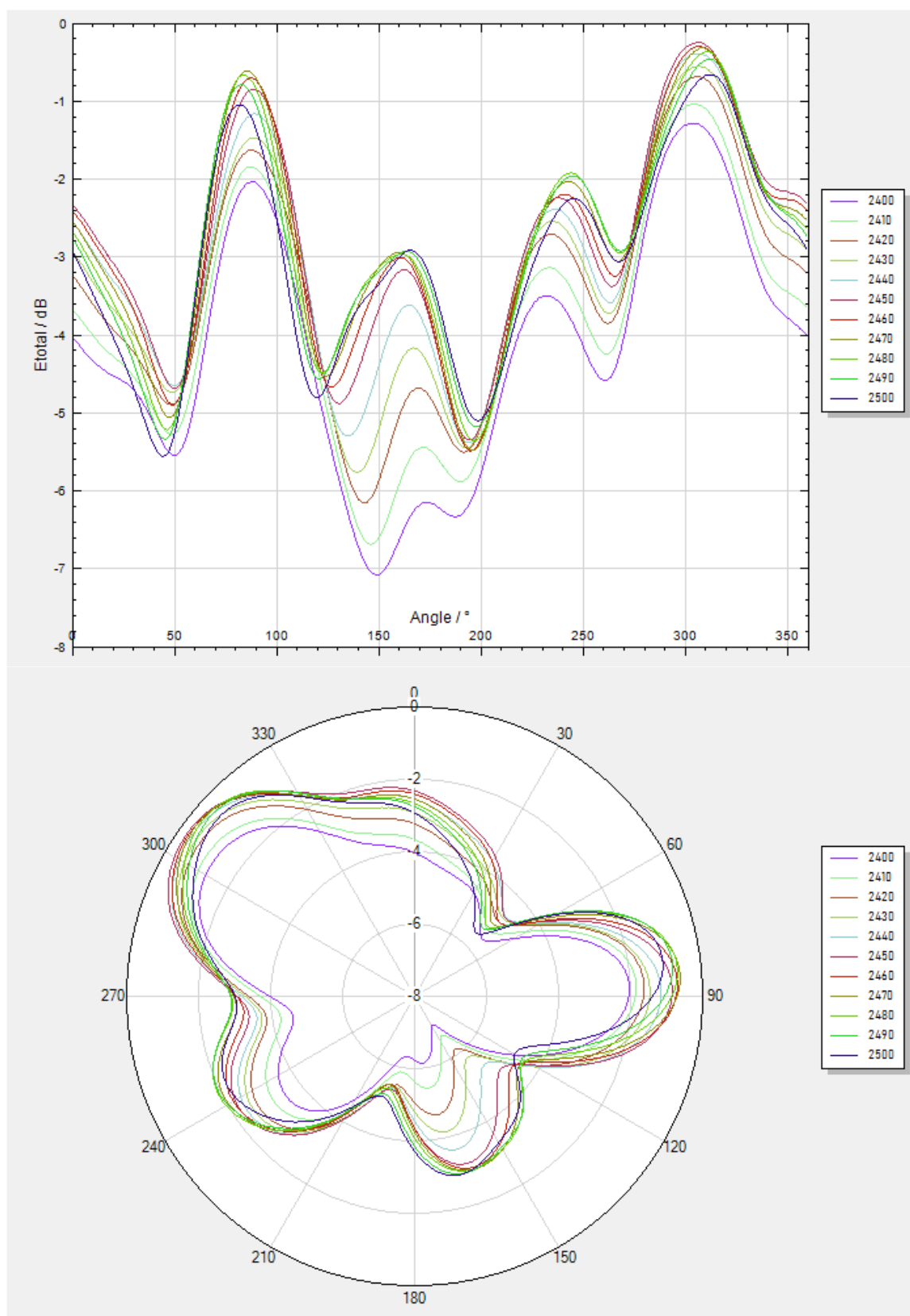
Phi 0 2D



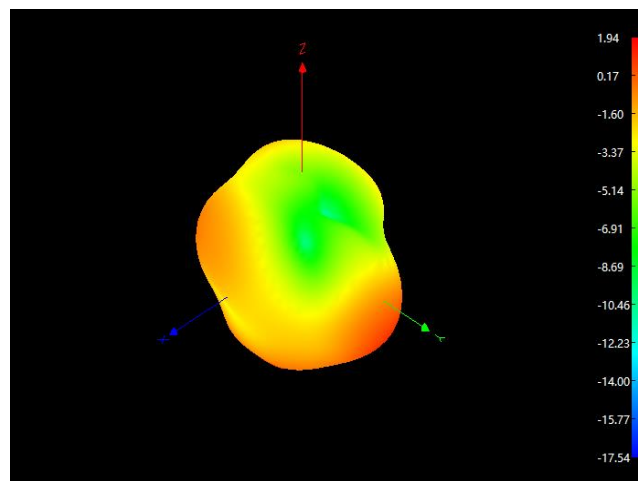
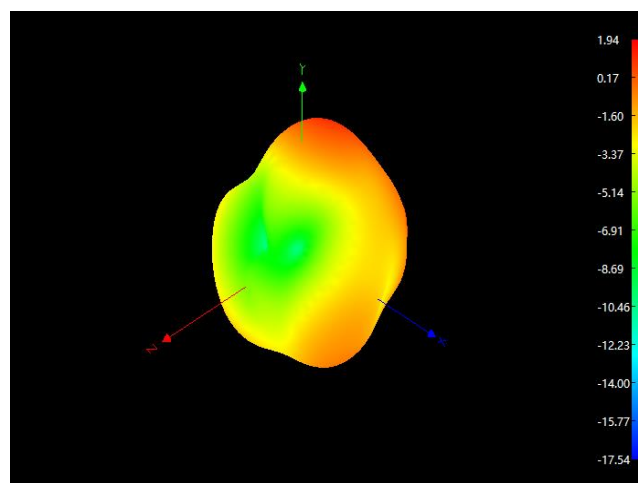
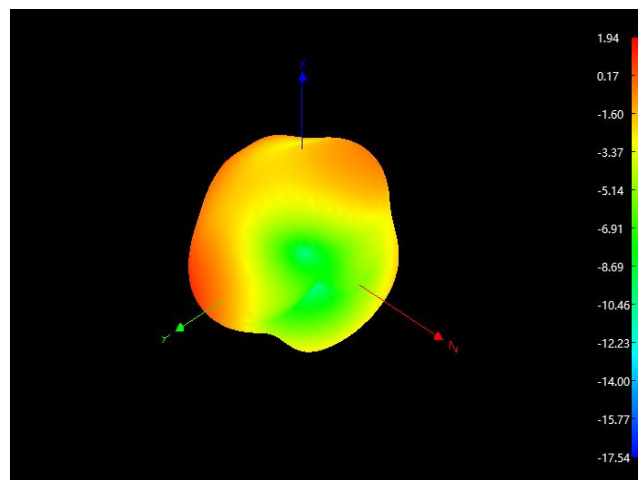
Phi 90 2D



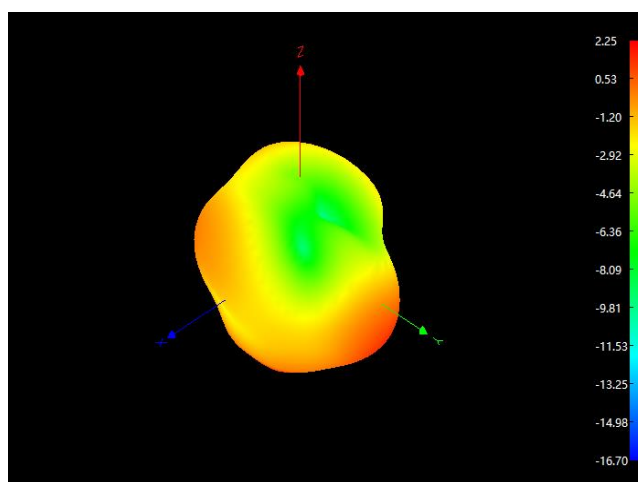
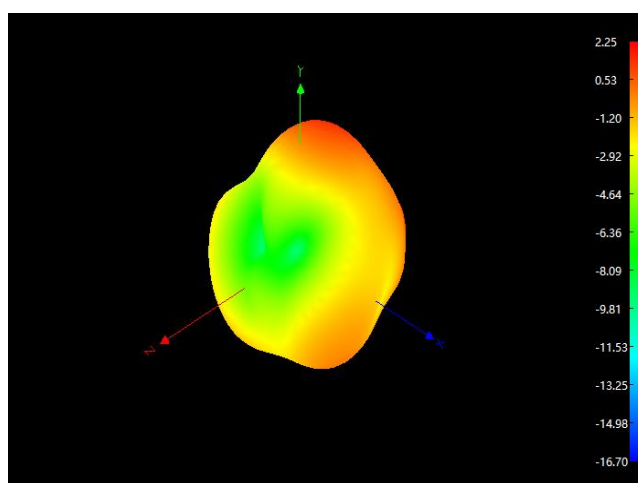
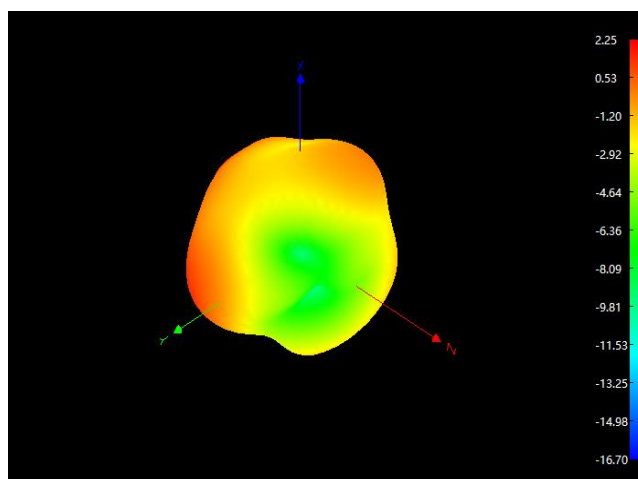
Theta 90 2D



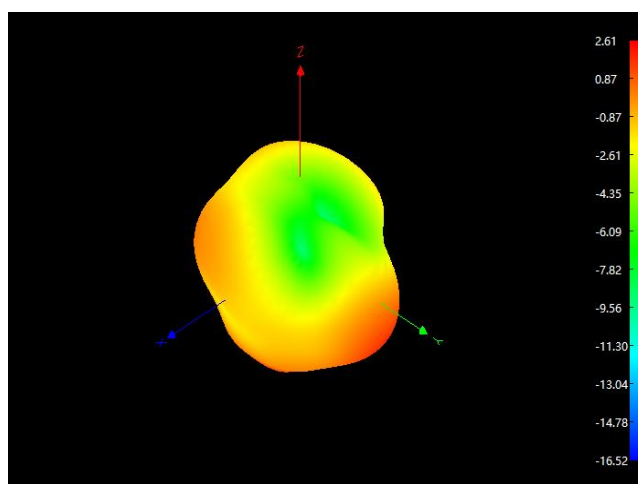
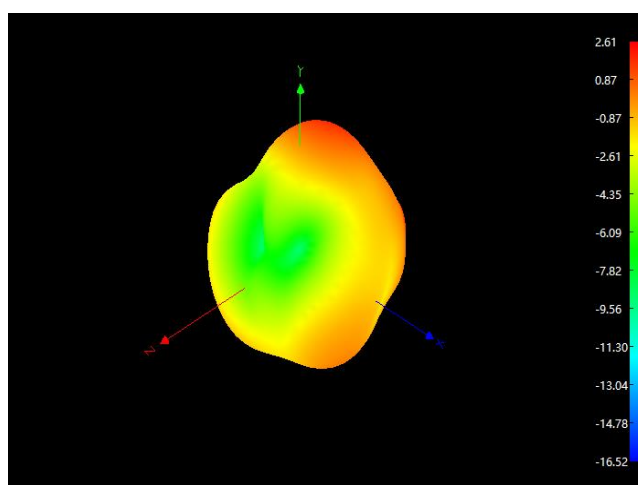
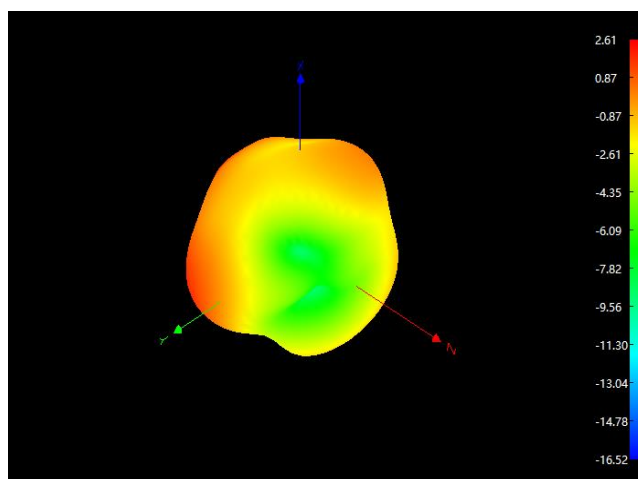
3D 2400



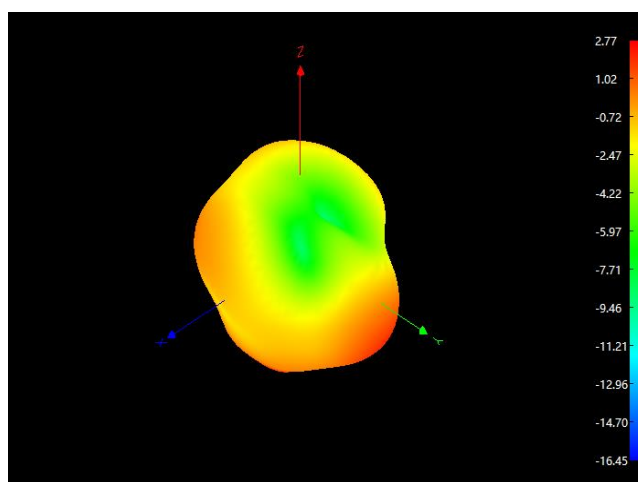
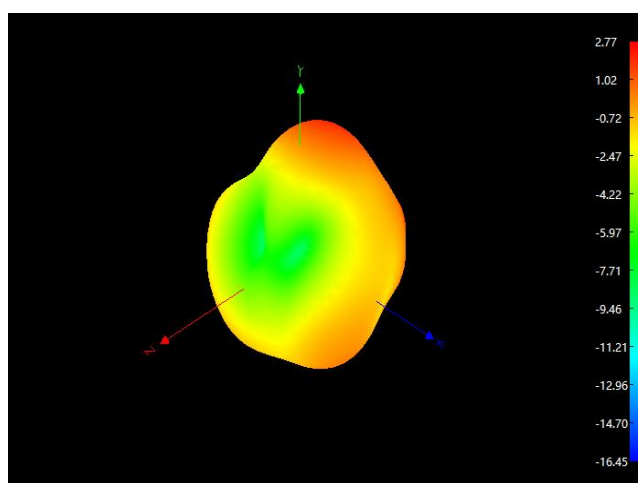
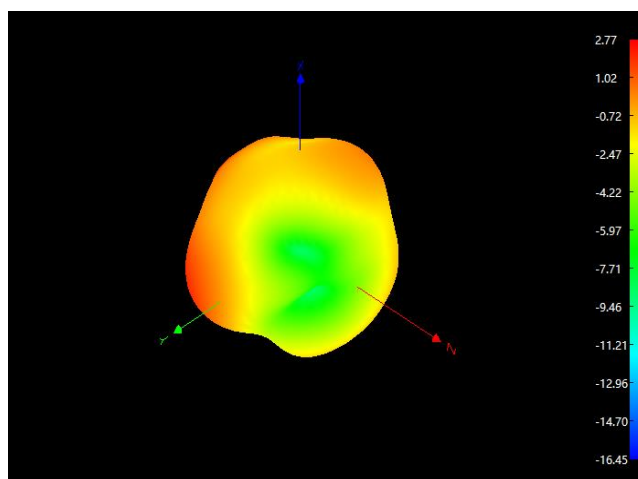
3D 2410

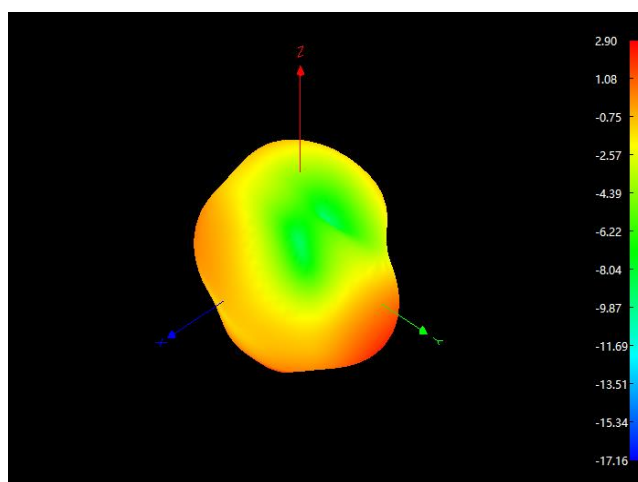
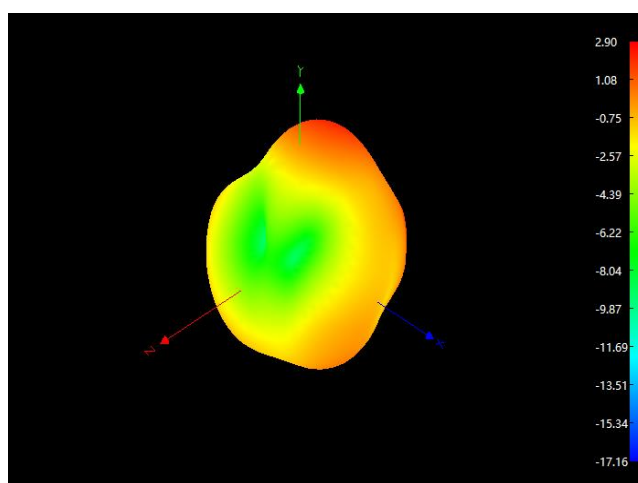
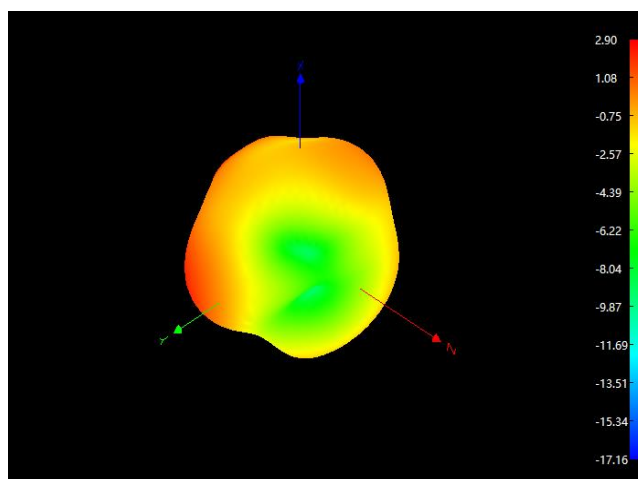


3D 2420

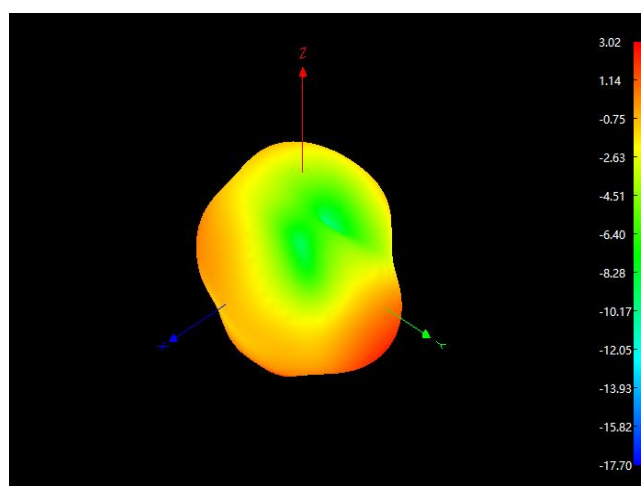
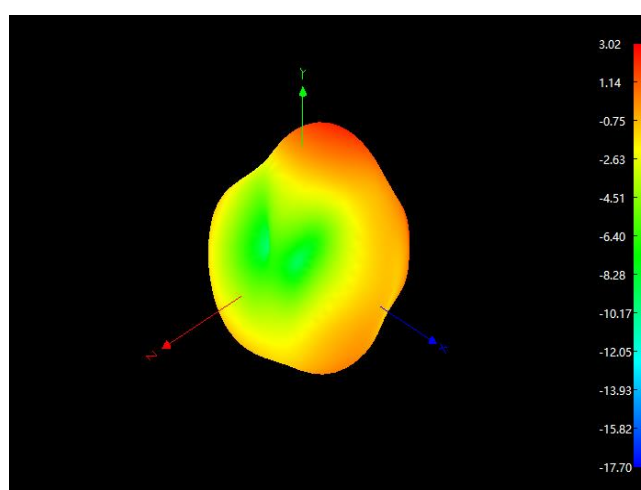
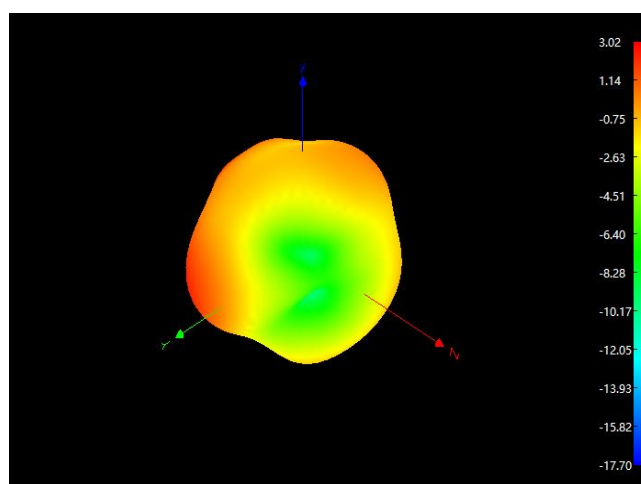


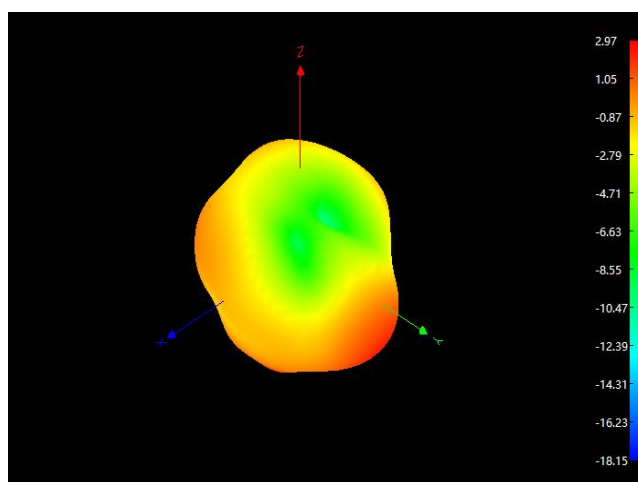
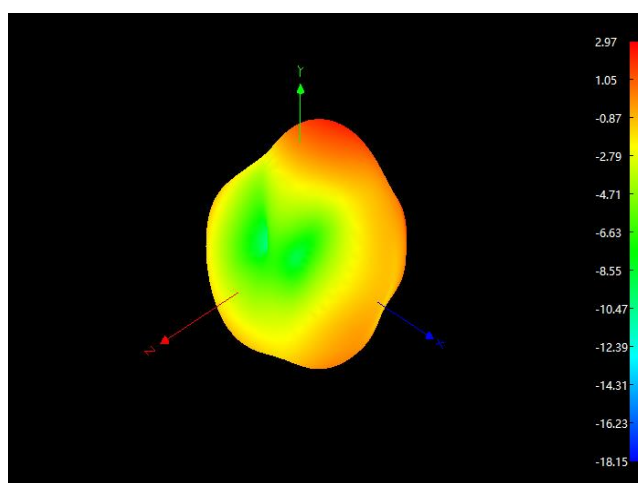
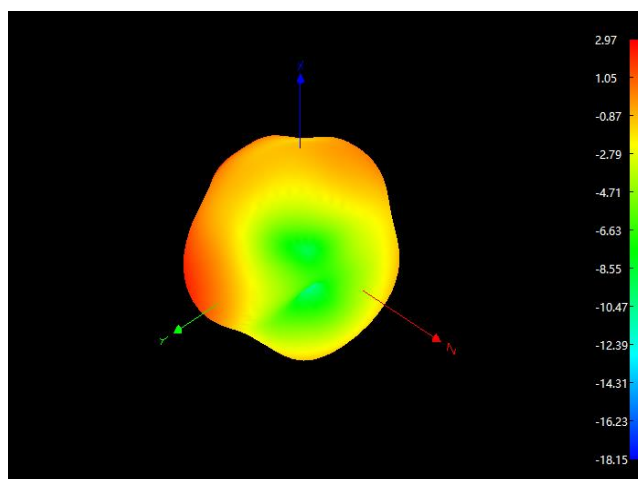
3D 2430



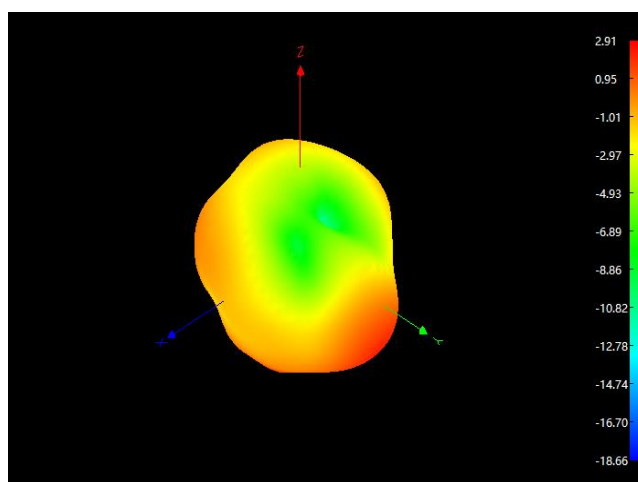
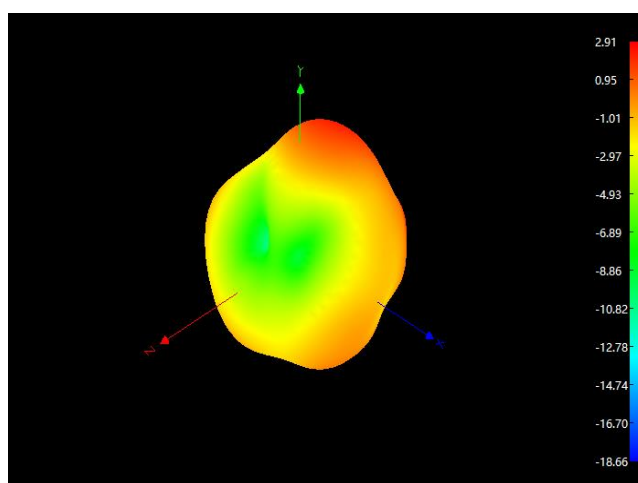
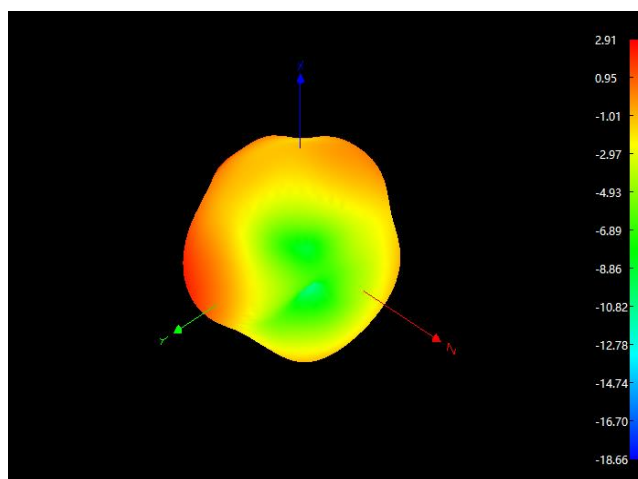


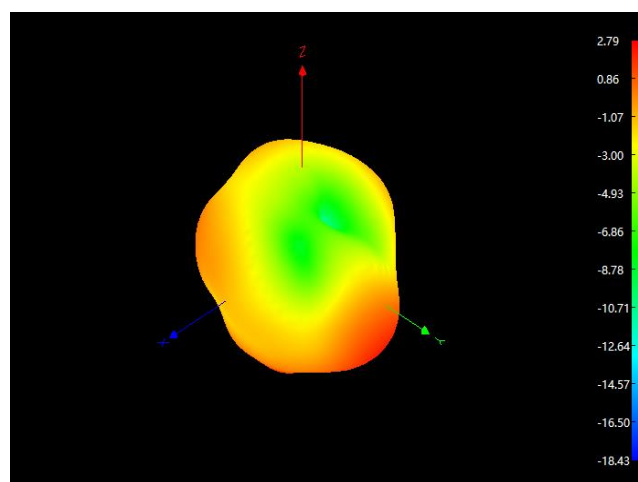
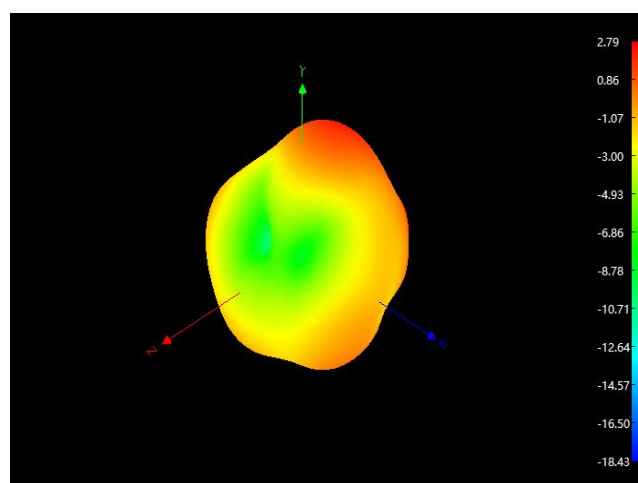
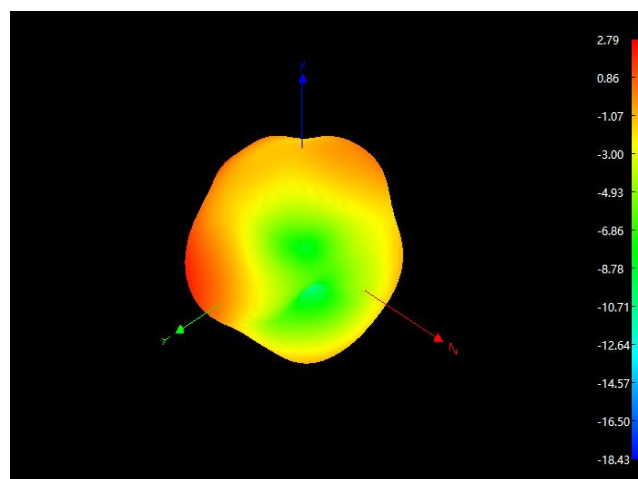
3D 2450



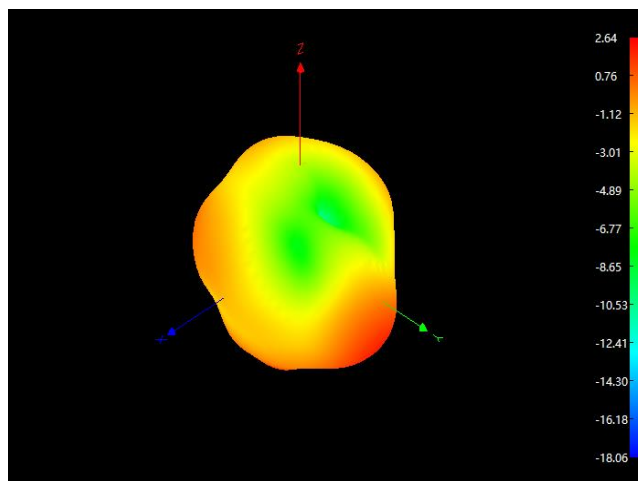
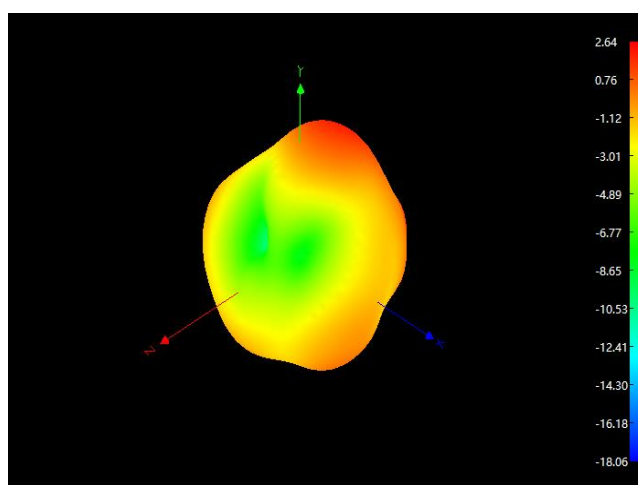
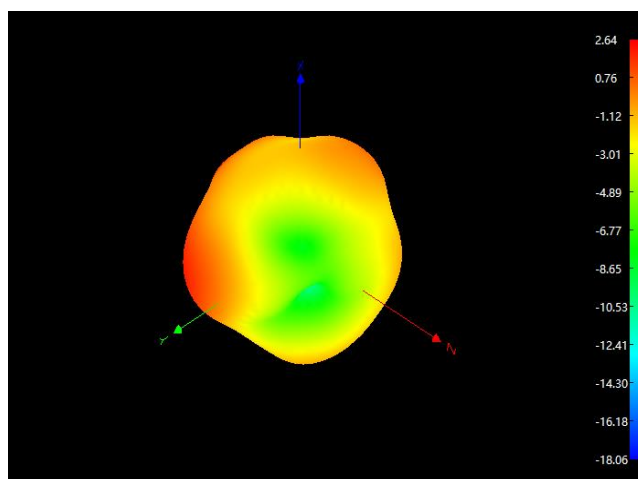


3D 2470





3D 2490



3D 2500

