

Aiendi (Zhongshan) Intelligent Technology Co., Ltd.
One of the fourth floor, No. 3, Sixth Street, Shengfeng
West Pai East Road, Xiaolan Town, Zhongshan City

WBR3 Antenna Specification

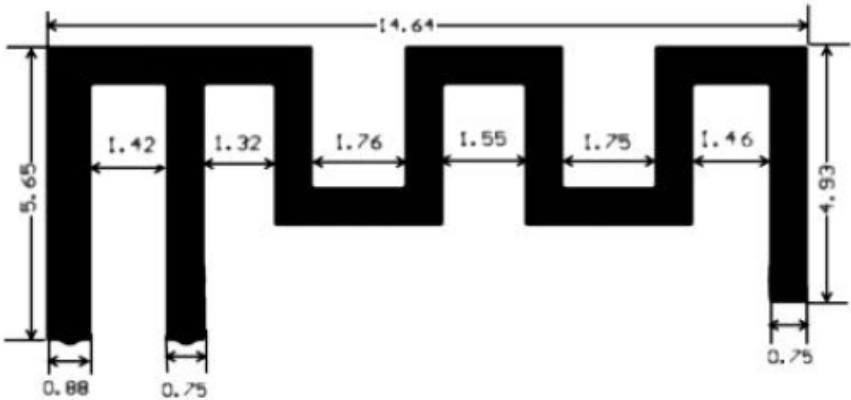
Quick Reference Date

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

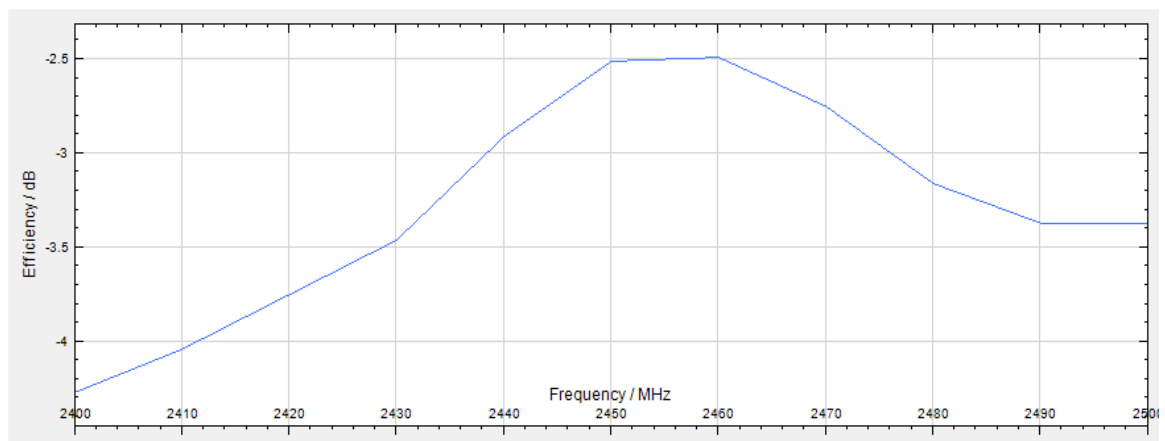
Antenna Layout on the system board

Unit: mm



Efficiency

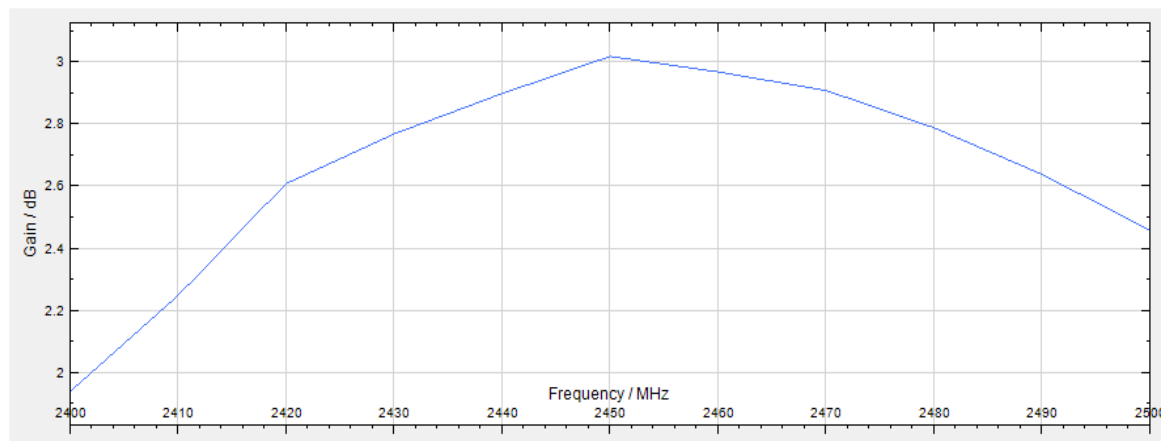
Frequency (MHz)	Efficiency (dB)	Efficiency (%)
2400	-4.27	37.41
2410	-4.04	39.45
2420	-3.75	42.17
2430	-3.46	45.08
2440	-2.91	51.17
2450	-2.51	56.10
2460	-2.49	56.36
2470	-2.75	53.09
2480	-3.16	48.31
2490	-3.37	46.03
2500	-3.37	46.03



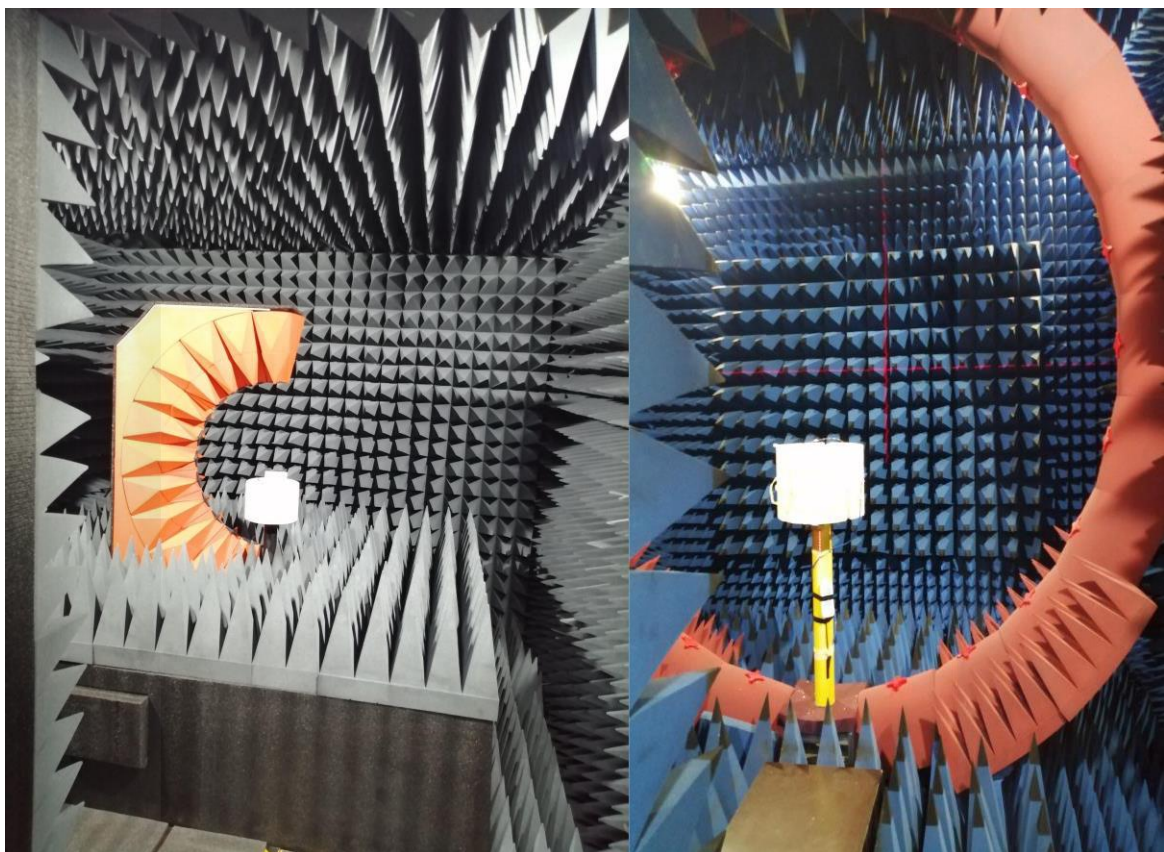
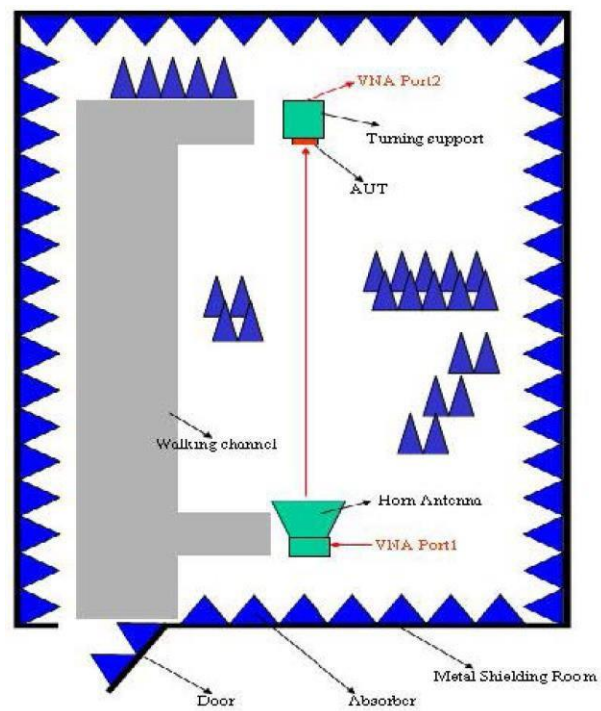
Antenna Gain

Gain Table

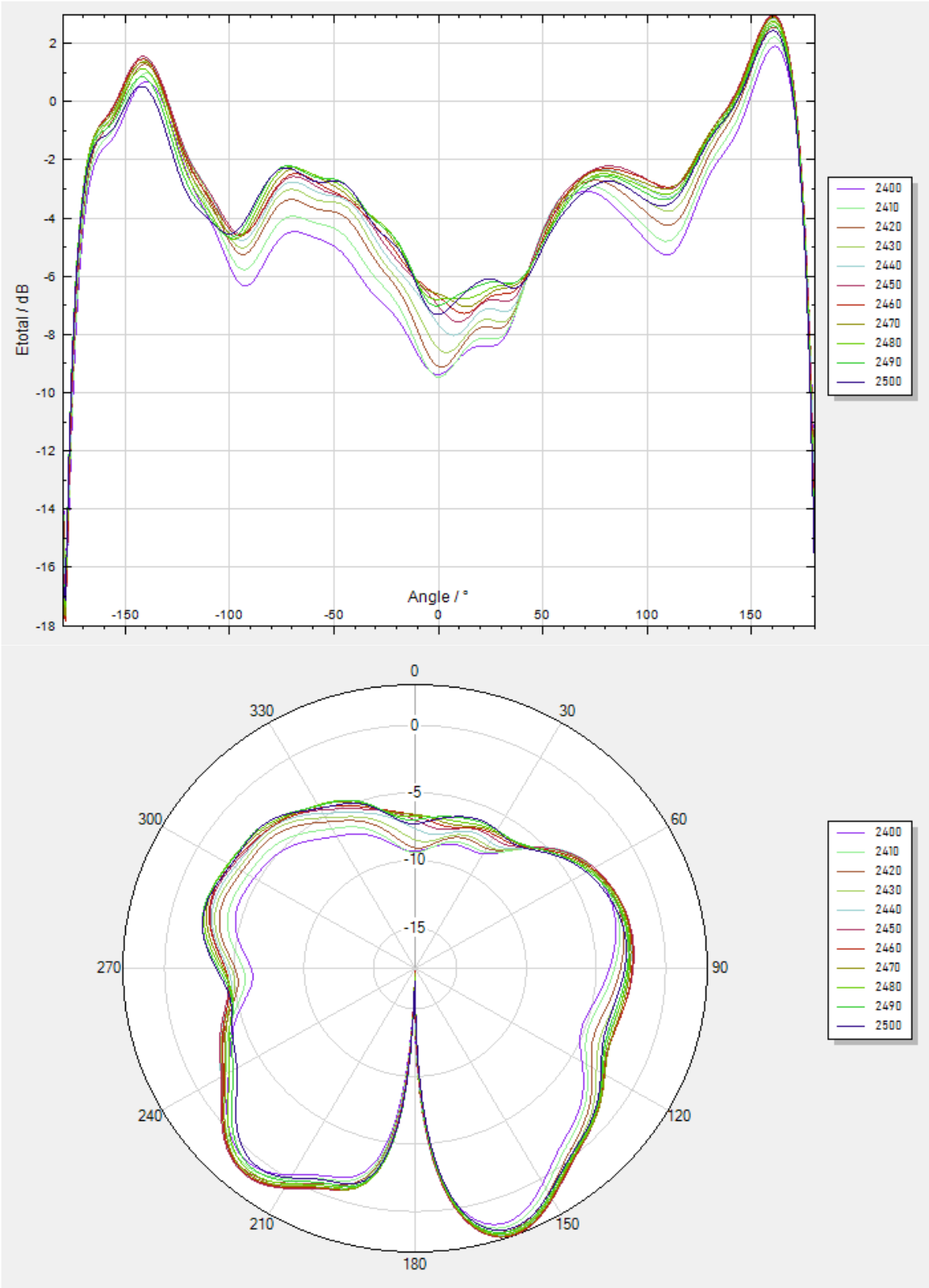
Frequency / MHz	Gain/ dBi
2400	1.94
2410	2.25
2420	2.61
2430	2.77
2440	2.90
2450	3.02
2460	2.97
2470	2.91
2480	2.79
2490	2.64
2500	2.46



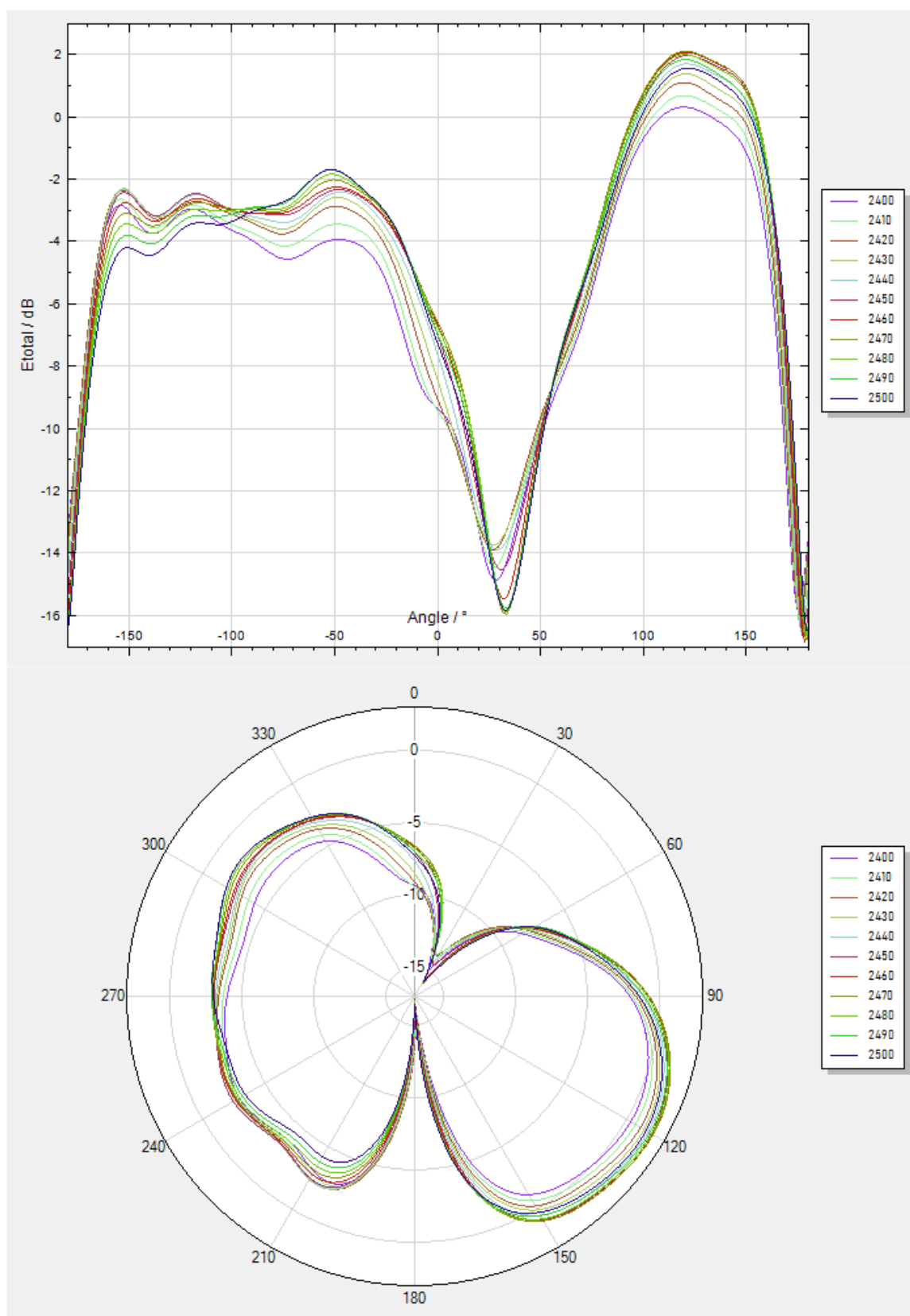
The Environment of Antenna Radiation Pattern



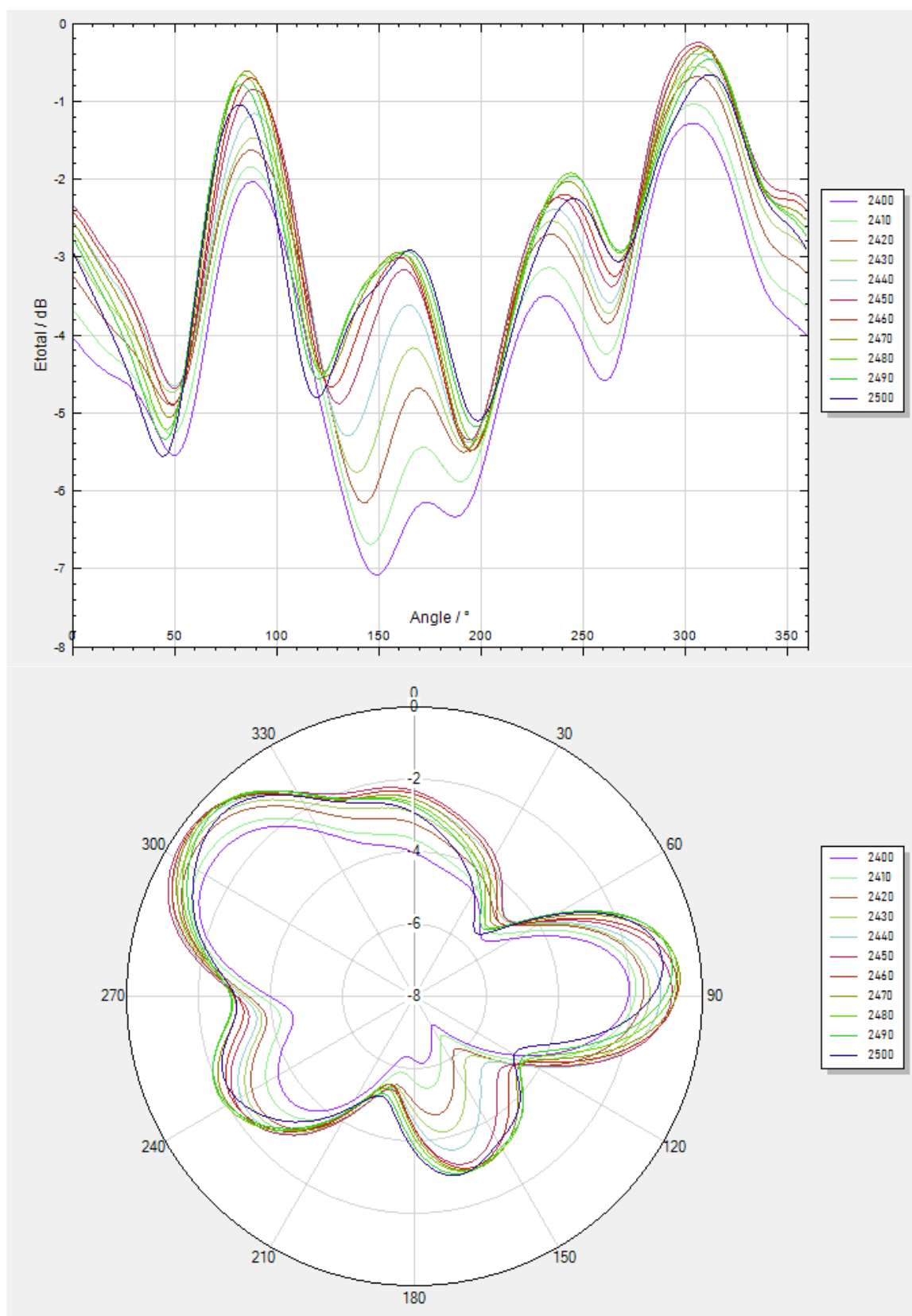
Phi 0 2D



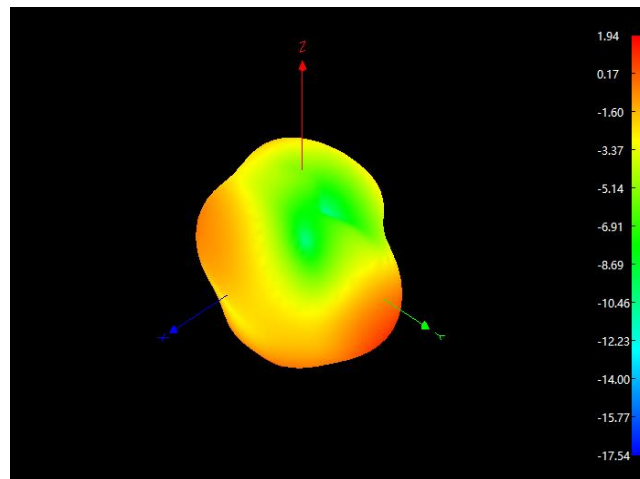
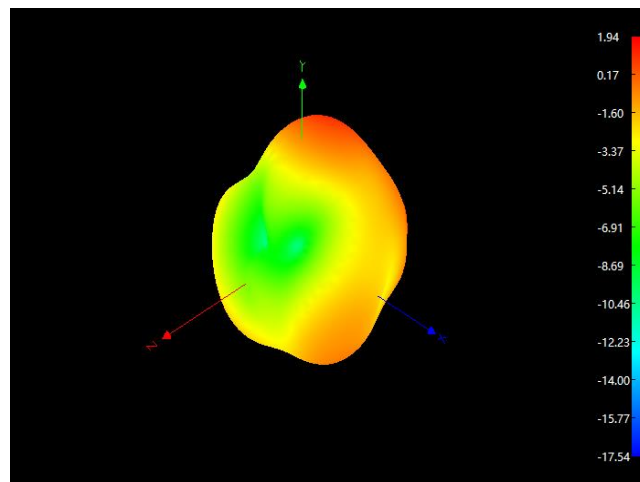
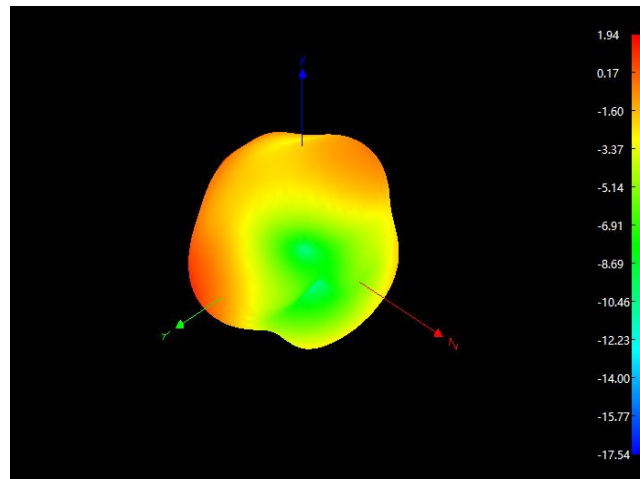
Phi 90 2D

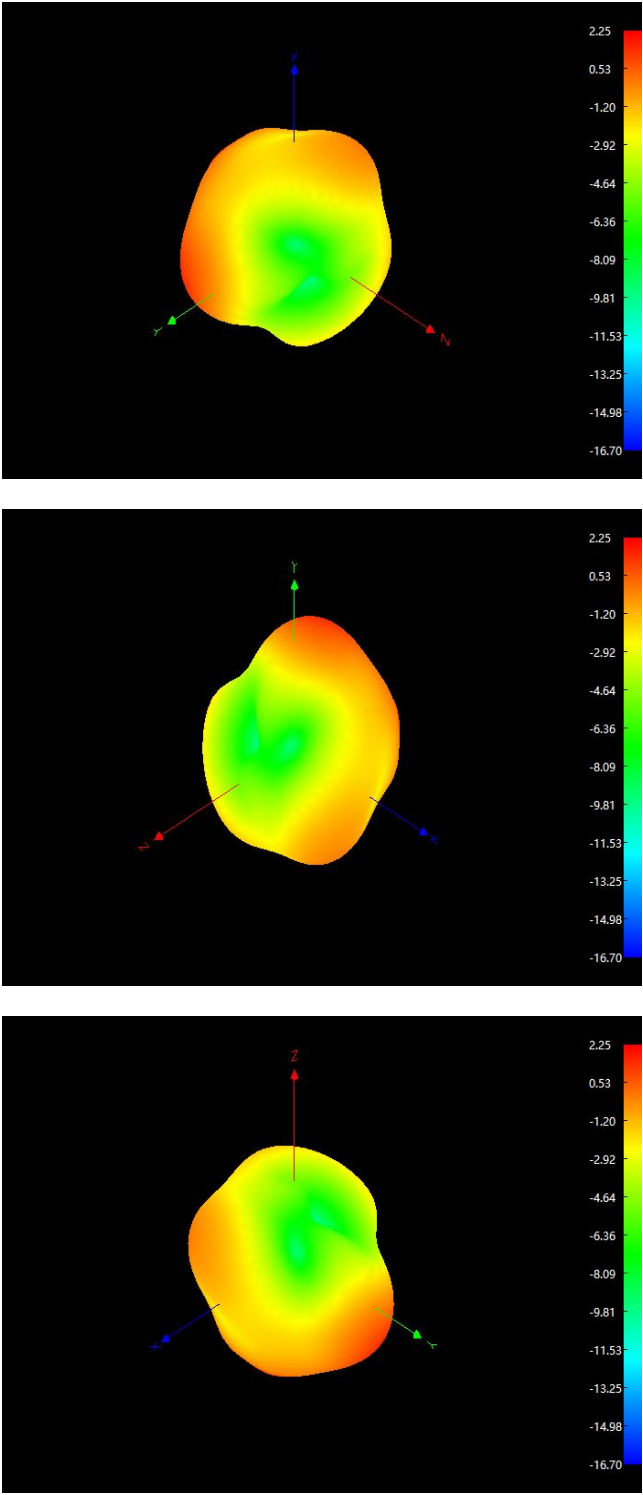


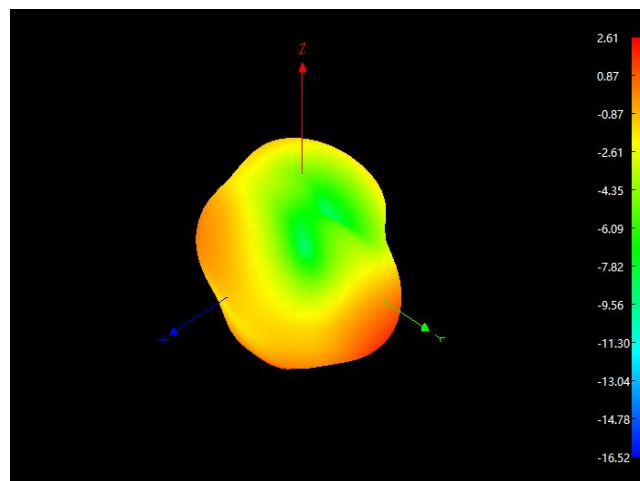
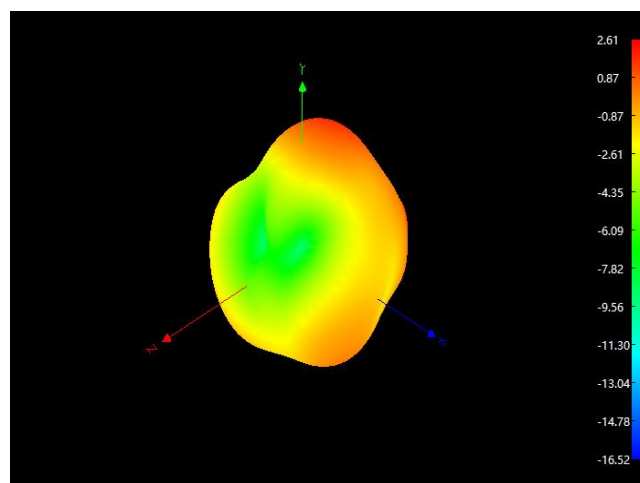
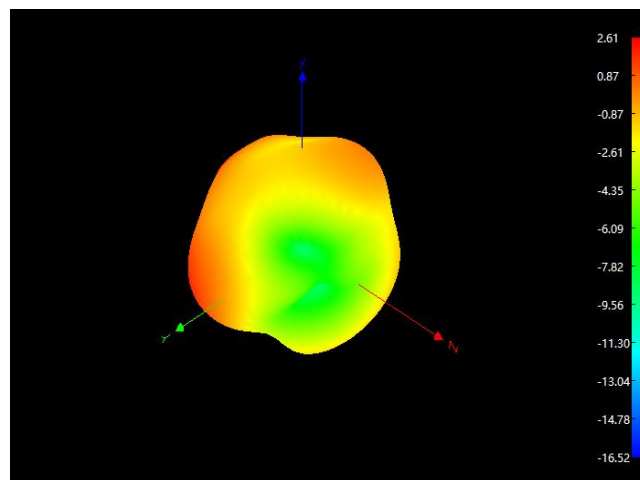
Theta 90 2D

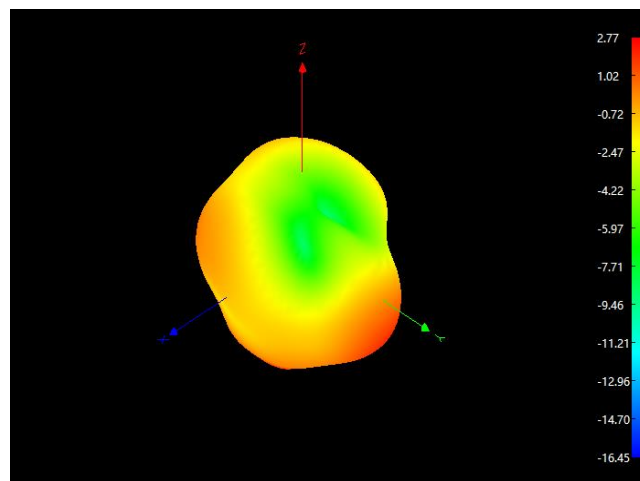
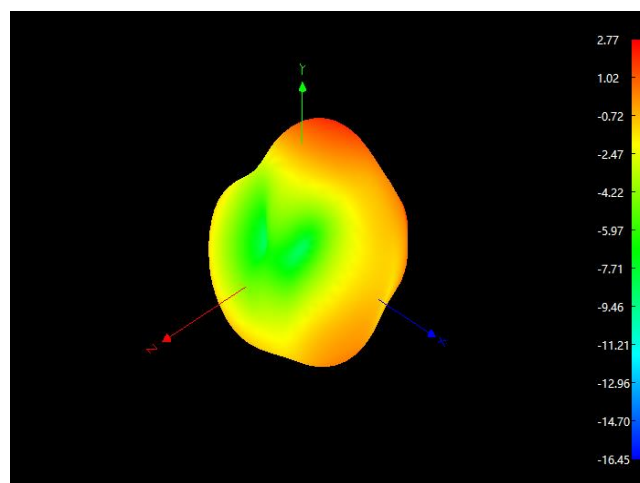
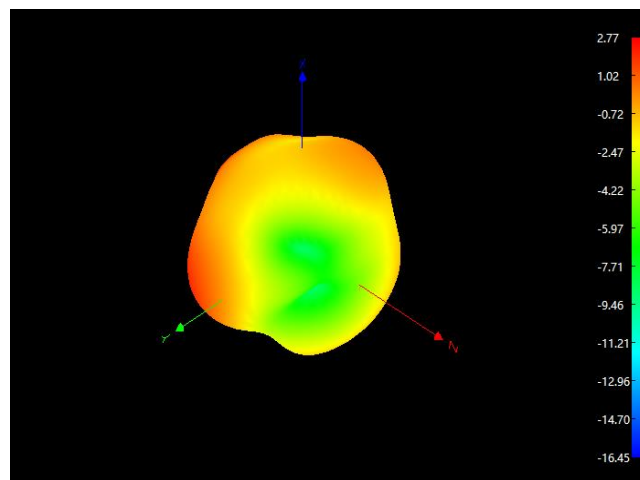


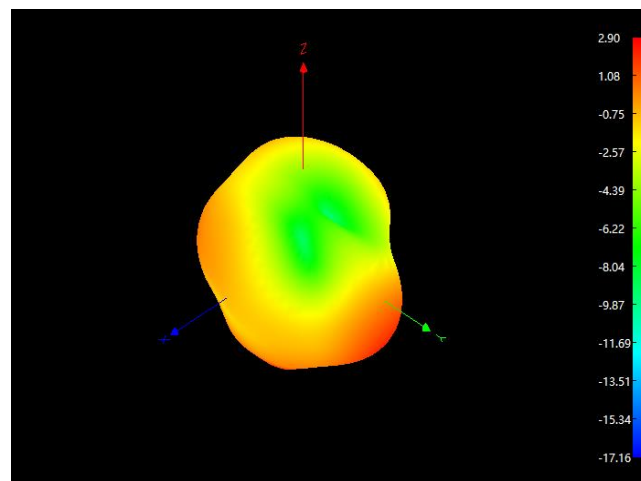
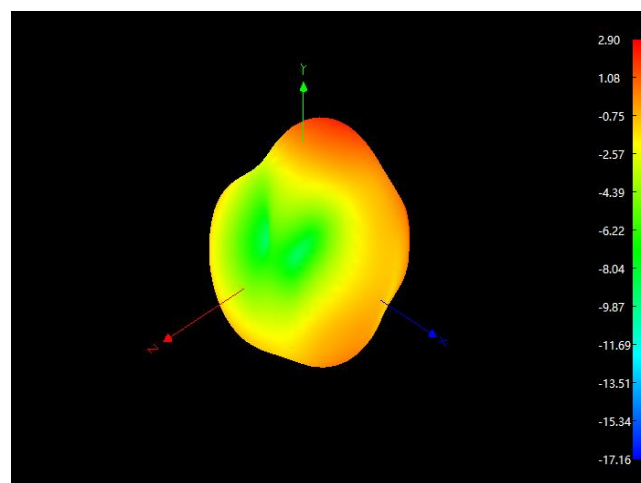
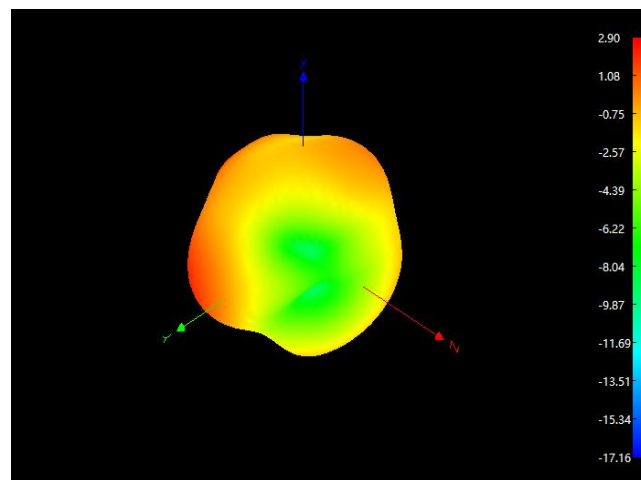
3D 2400



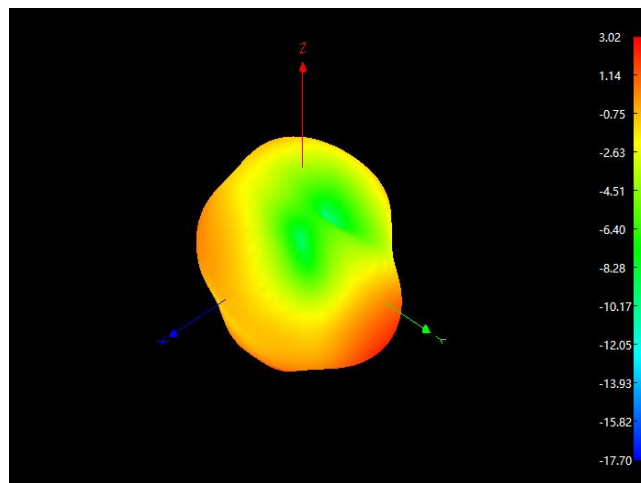
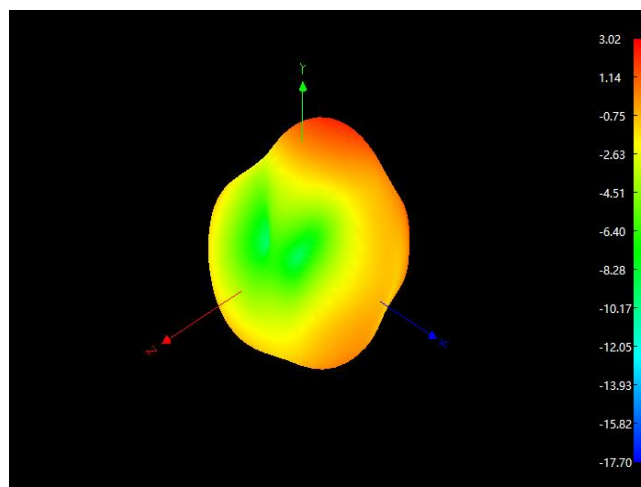
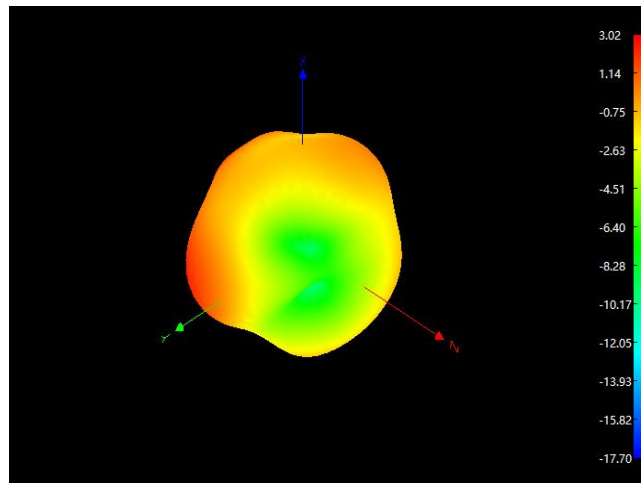


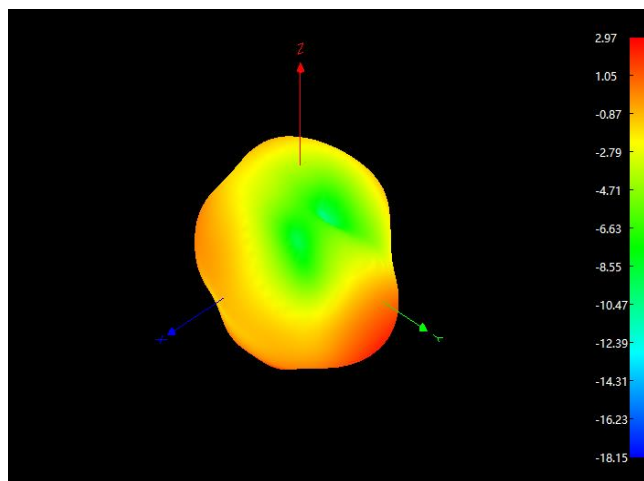
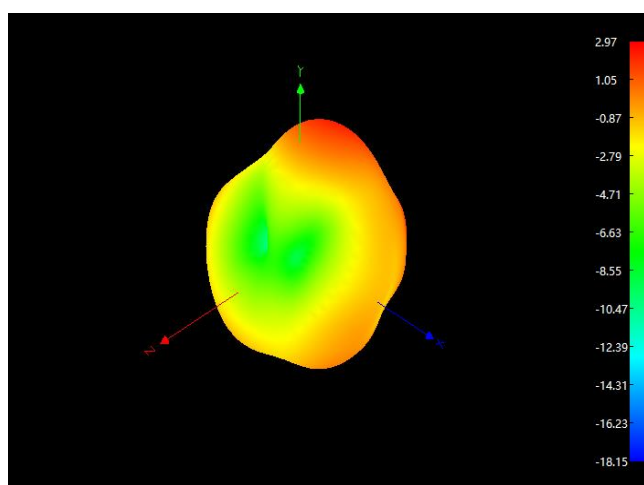
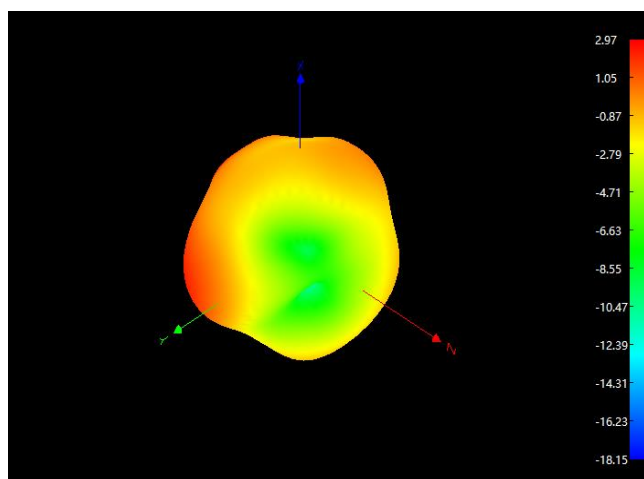


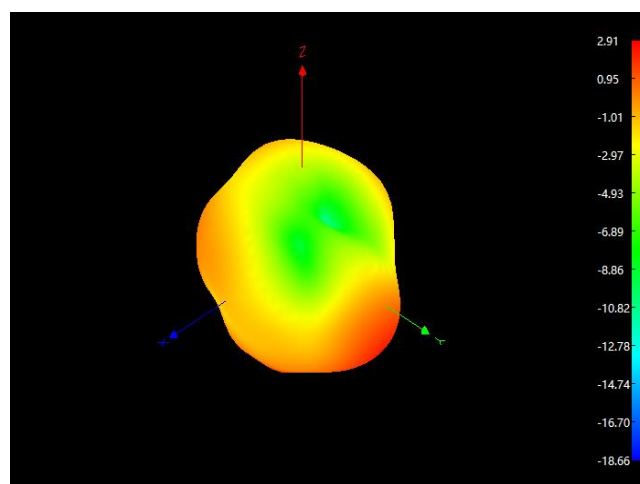
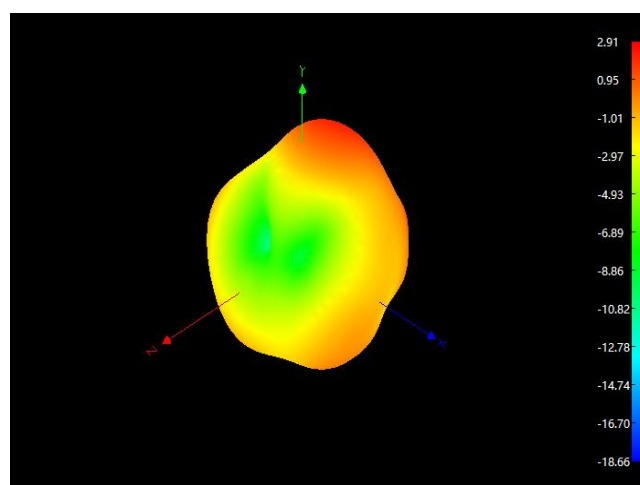
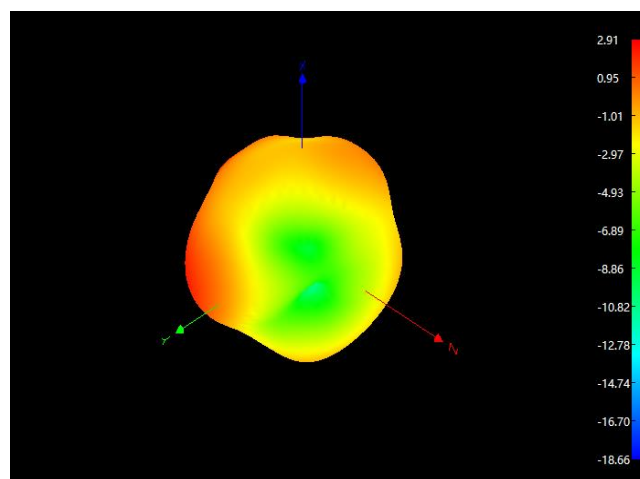


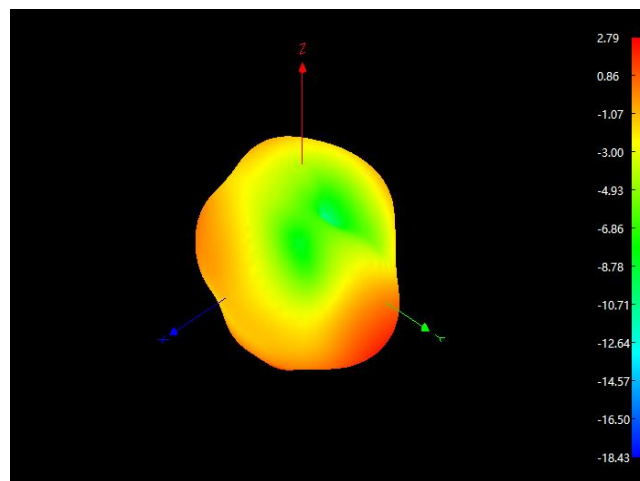
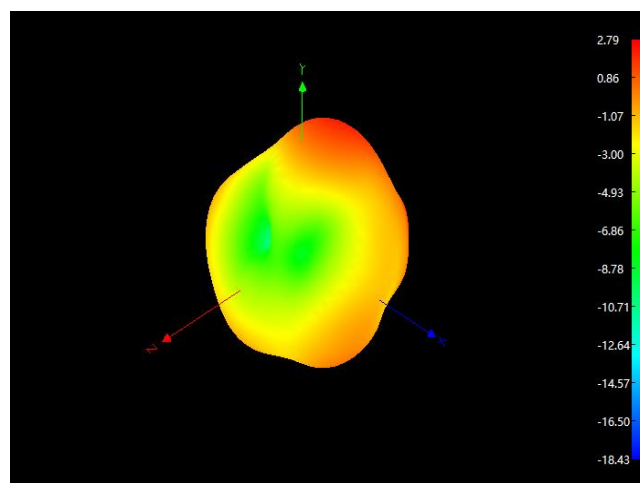
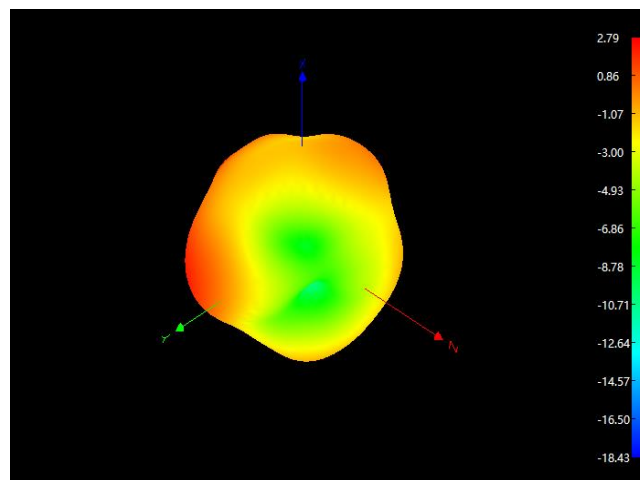


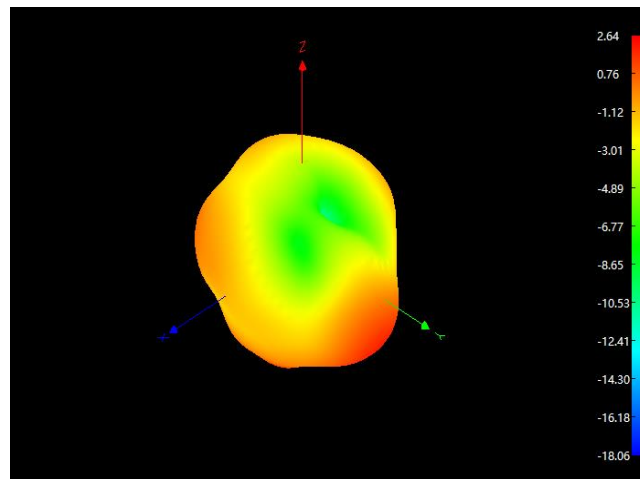
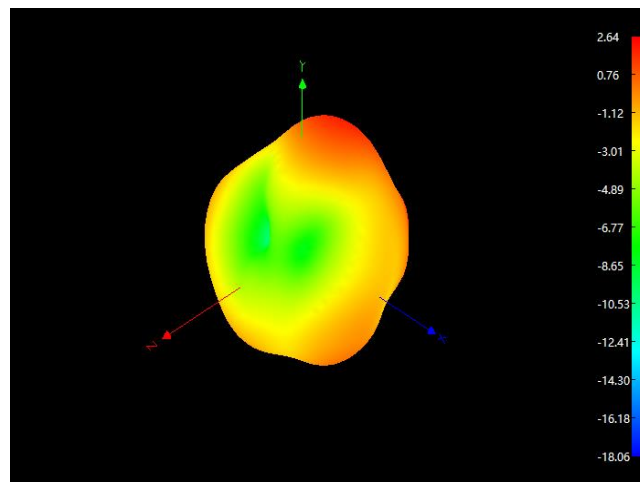
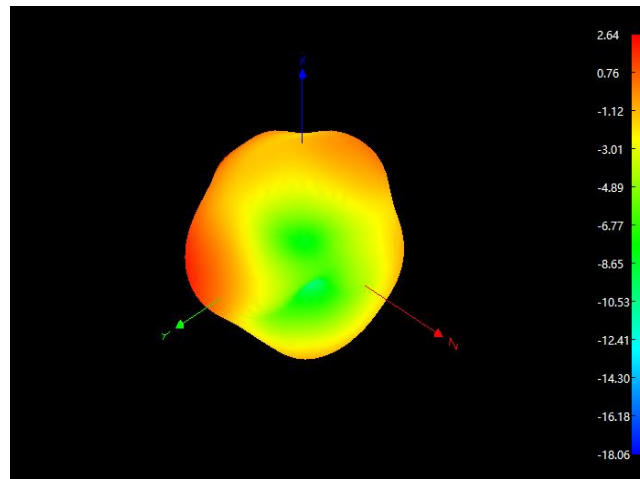
3D 2450











3D 2500

