

Shenzhen SKYLink Technology Co.,Ltd

Antenna Specification for Approval

Customer Name: _____

Product Name: _____ 2.4GWIFI Antenna _____

Part NO. : _____ TY05 _____

Write By: _____ Damon Cui _____

Issued Date: _____ 2023-07-10 _____

Customer

R&D Dept	Business Dept	Approved By

SKYLink

R&D Dept	Engineer Dept	Approval

● Specification Summary

A. Electrical Characteristics	
Frequency	2400MHz ~2500MHz
VSWR	<2.0
Efficiency	>40%
Peak Gain	2dbi
Impedance	50 Ohm
Polarization	Line
B. Material & Mechanical Characteristics	
Material of Radiator	/
Cable Type	/
Connector Type	/
Dimension	At Attachment
Heat-durability	280±5℃, 10sec.
C. Environmental Characteristics	
Operation Temperature	- 20 °C ~ + 80 °C
Storage Temperature	- 30 °C ~ + 85 °C

● Test Equipment & Conditions

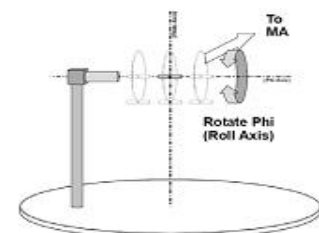
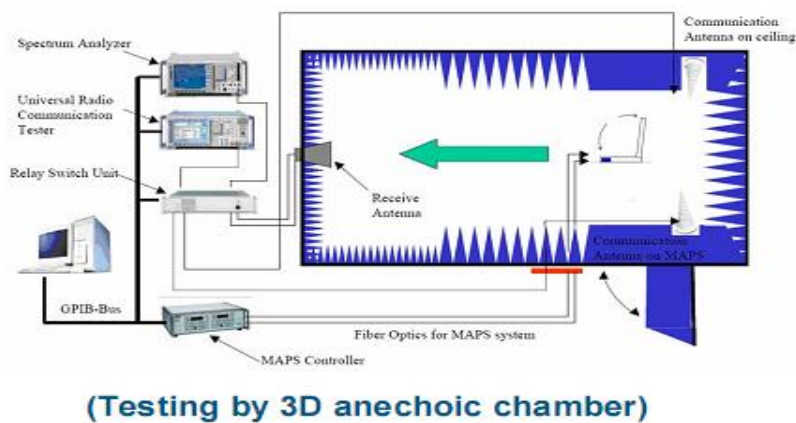
1. Network Analyzers :

Agilent 8753D 5071B

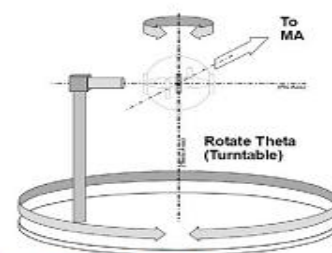
Communications Test Set:

Agilent E5515C CMW500

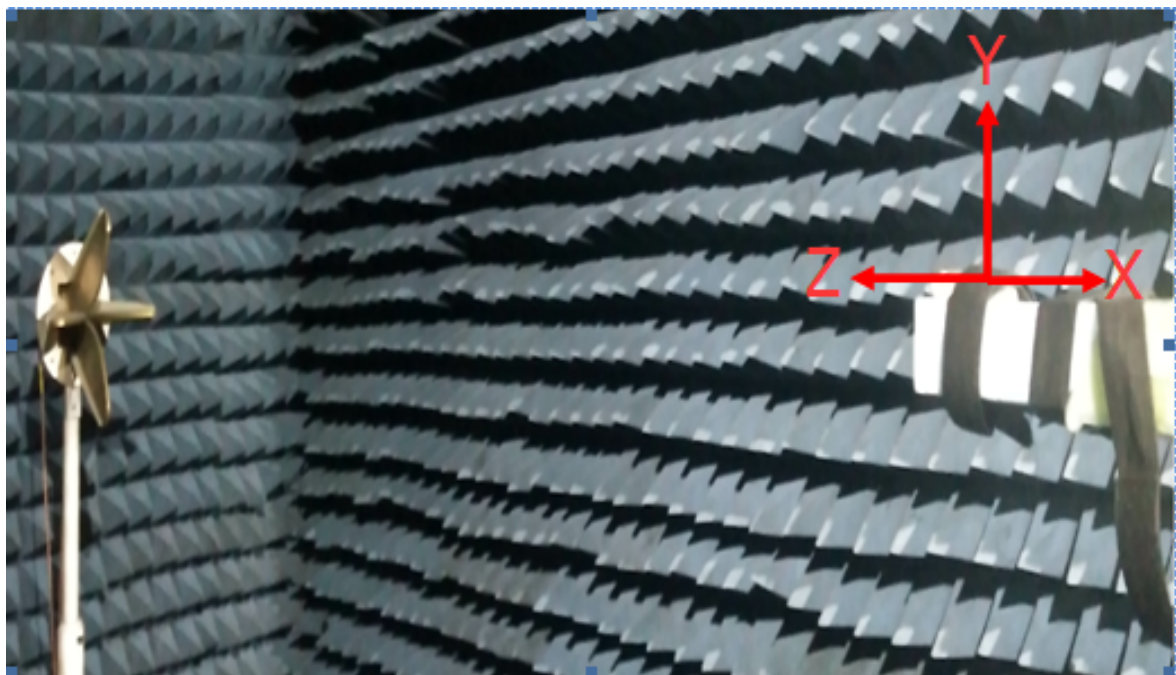
2. 3D Chamber Test System



Phi axis test

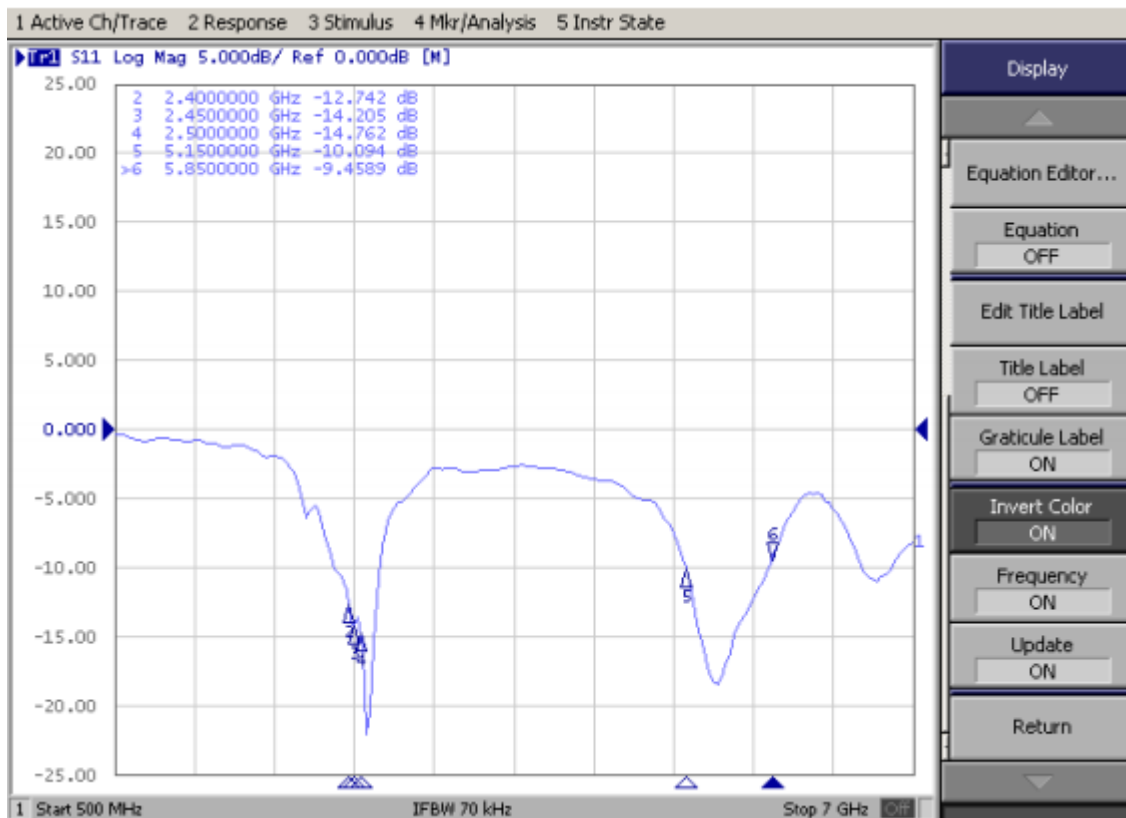


Theta axis test

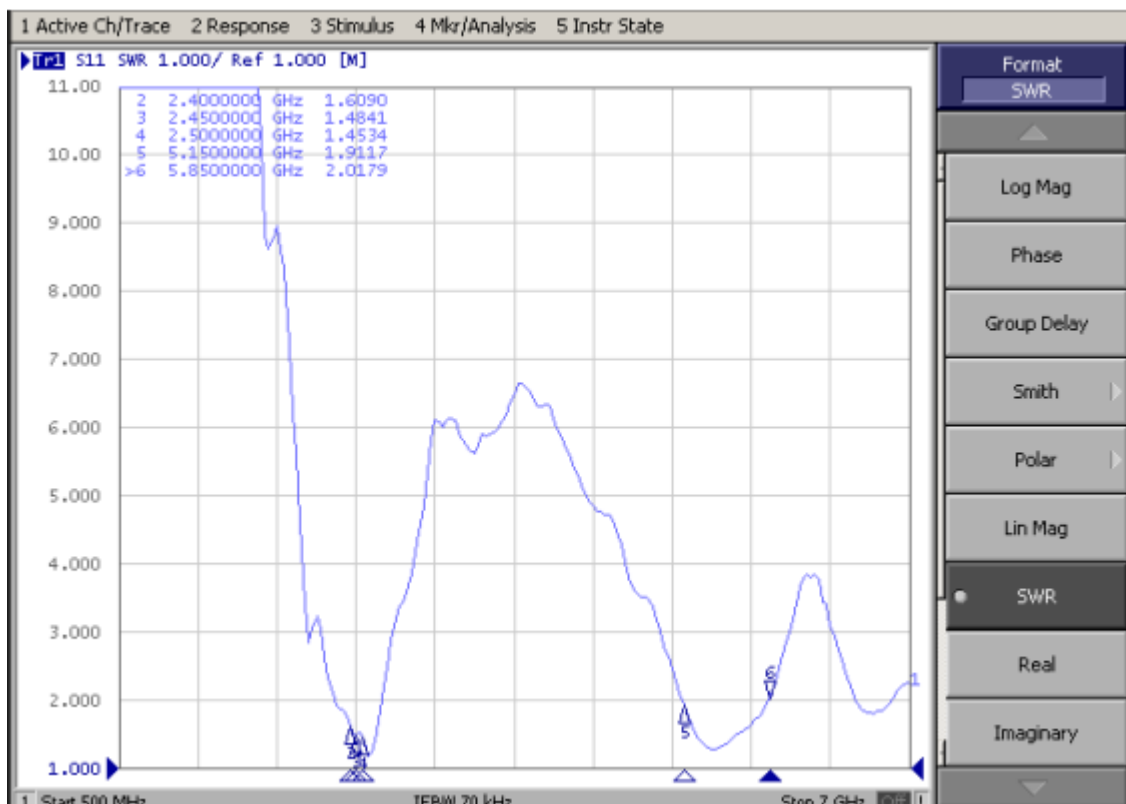


由 Autodesk 教育版产品制作

◆ Return Loss



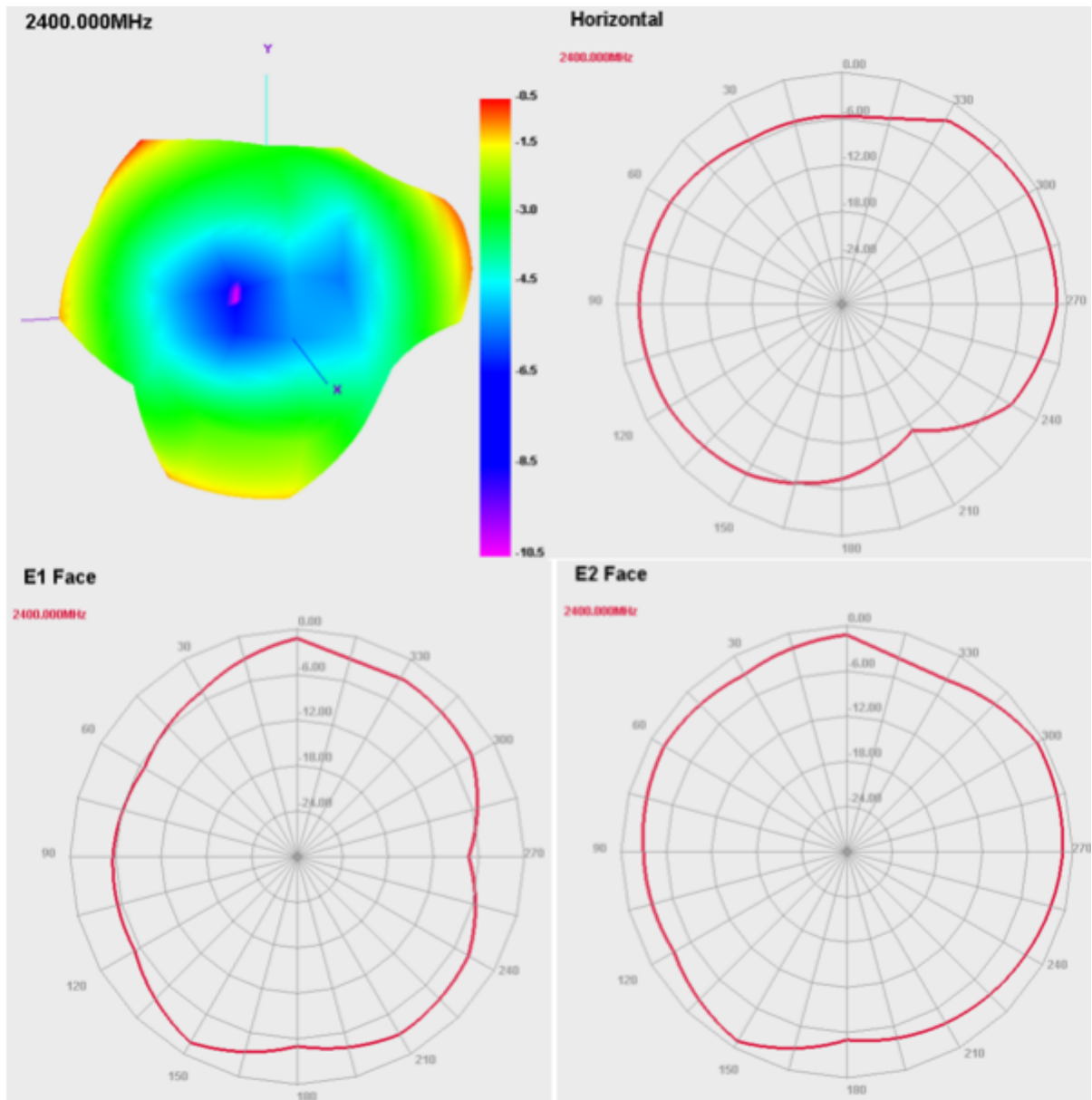
◆ VSWR

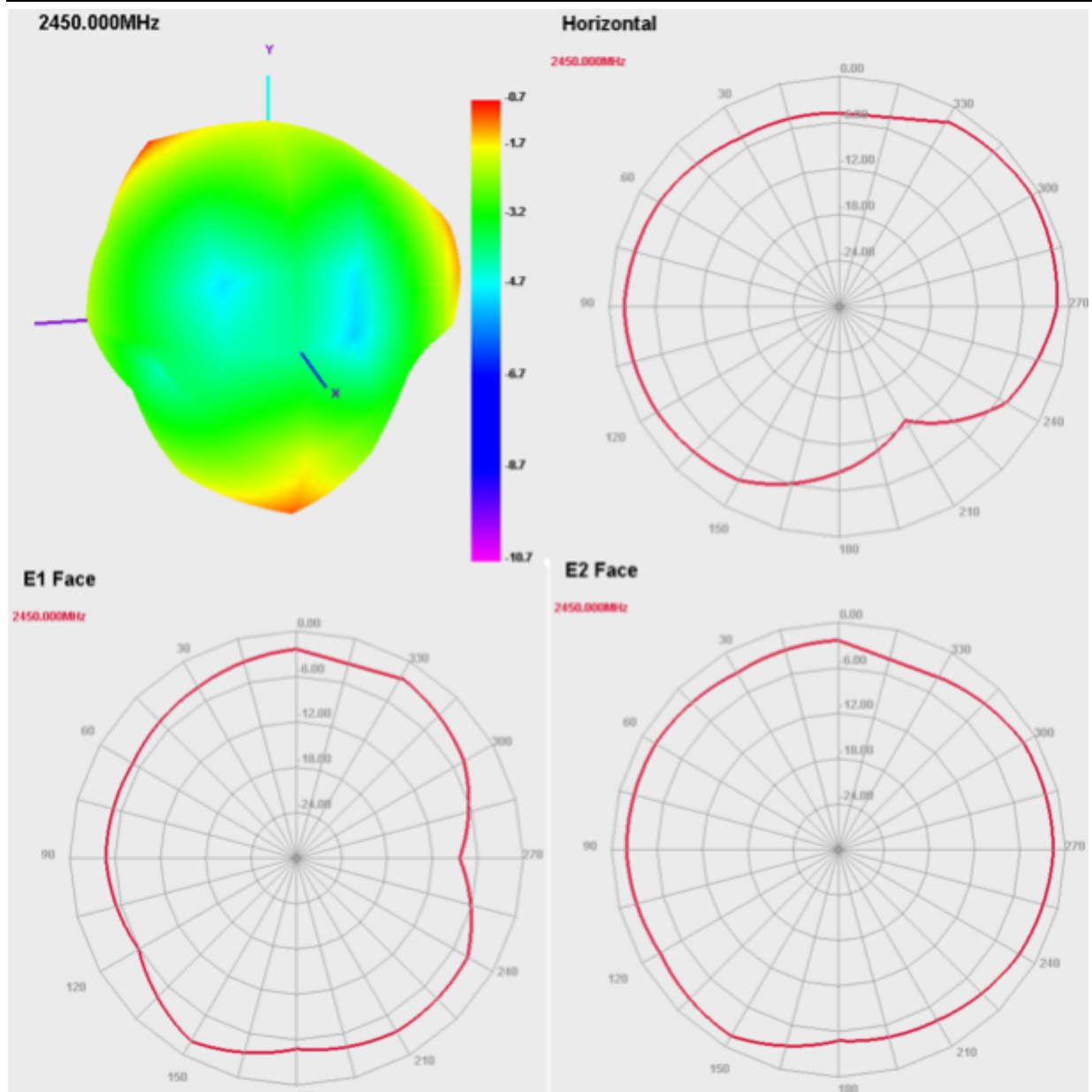


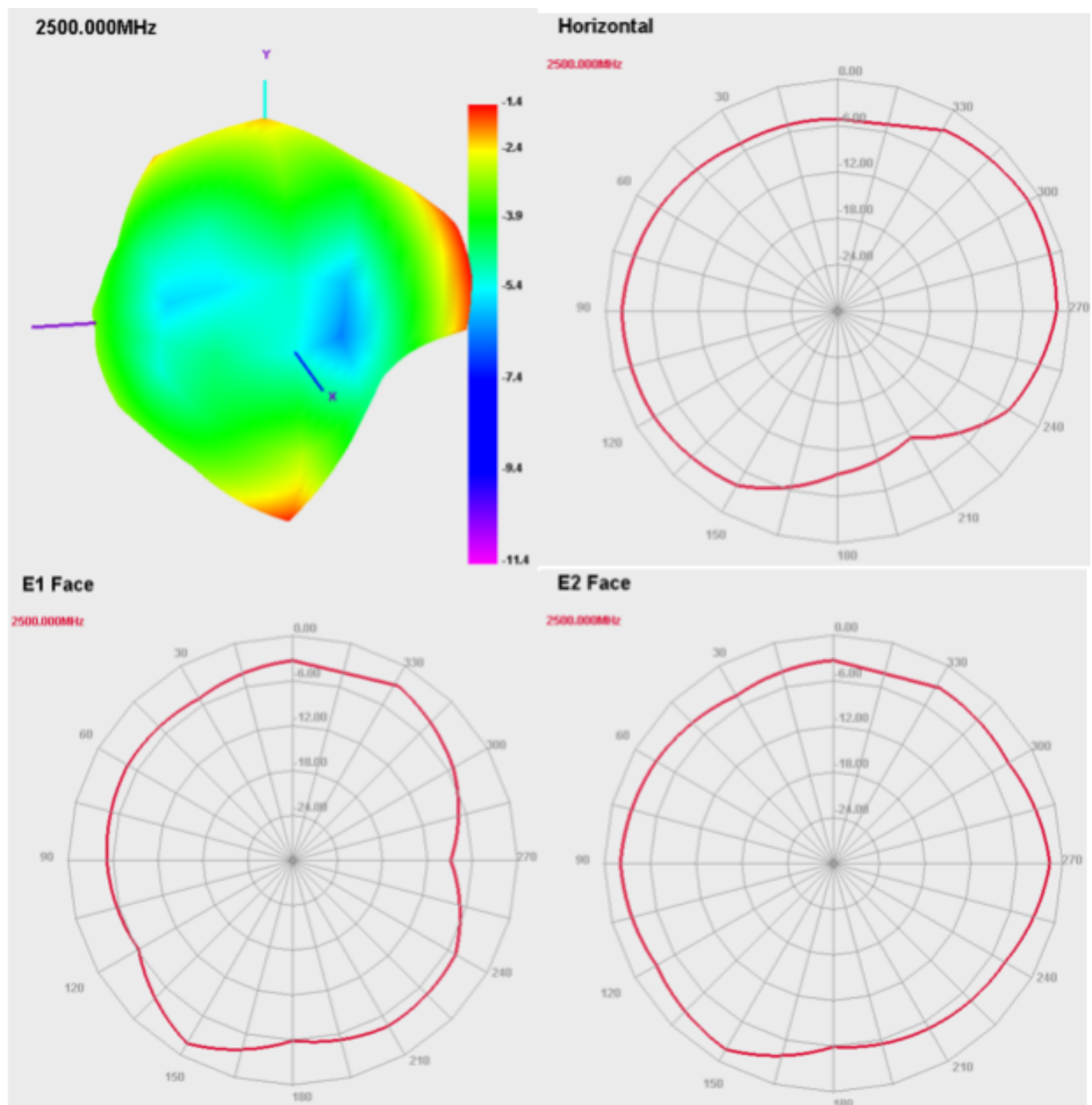
◆ Gain & Efficiency

Freq (MHz)	Effi (%)	Gain (dBi)
2400	45.1	-0.53
2410	46.89	-0.65
2420	45.86	-0.61
2430	45.86	-0.59
2440	45.66	2.00
2450	46.47	-0.68
2460	45.44	-0.89
2470	42.67	-1.1
2480	42.02	-1.12
2490	42	-1.2
2500	40.29	-1.41

◆ Radiation Pattern







◆ Antenna Picture

天线采用 SMT 贴片在主板上

