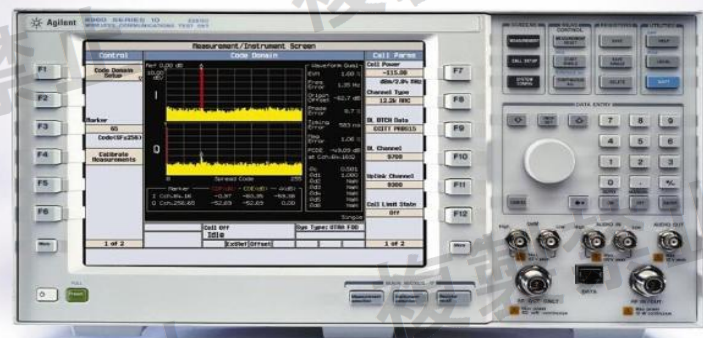




Customer	星辰互动
Project	G6138
Antenna Revision	A0
Prepared by	18814303605
Checked by	
Date :	2025.08.19

2. Test System

Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & Agilent 5071B
OTA Test	TRP&TIS	Agilent 8960 & CMW500 STIMO
Gain & Efficiency	Gain & Efficiency	SATIMO Agilent 5071C



Purpose

This report is to measure the performance of antenna for **G6138** The antenna operating frequency at 2400MHz-2500MHz 。 All test data are showed as below.

Content

1. Product Overview & Dimension
2. Test system
3. Test Result

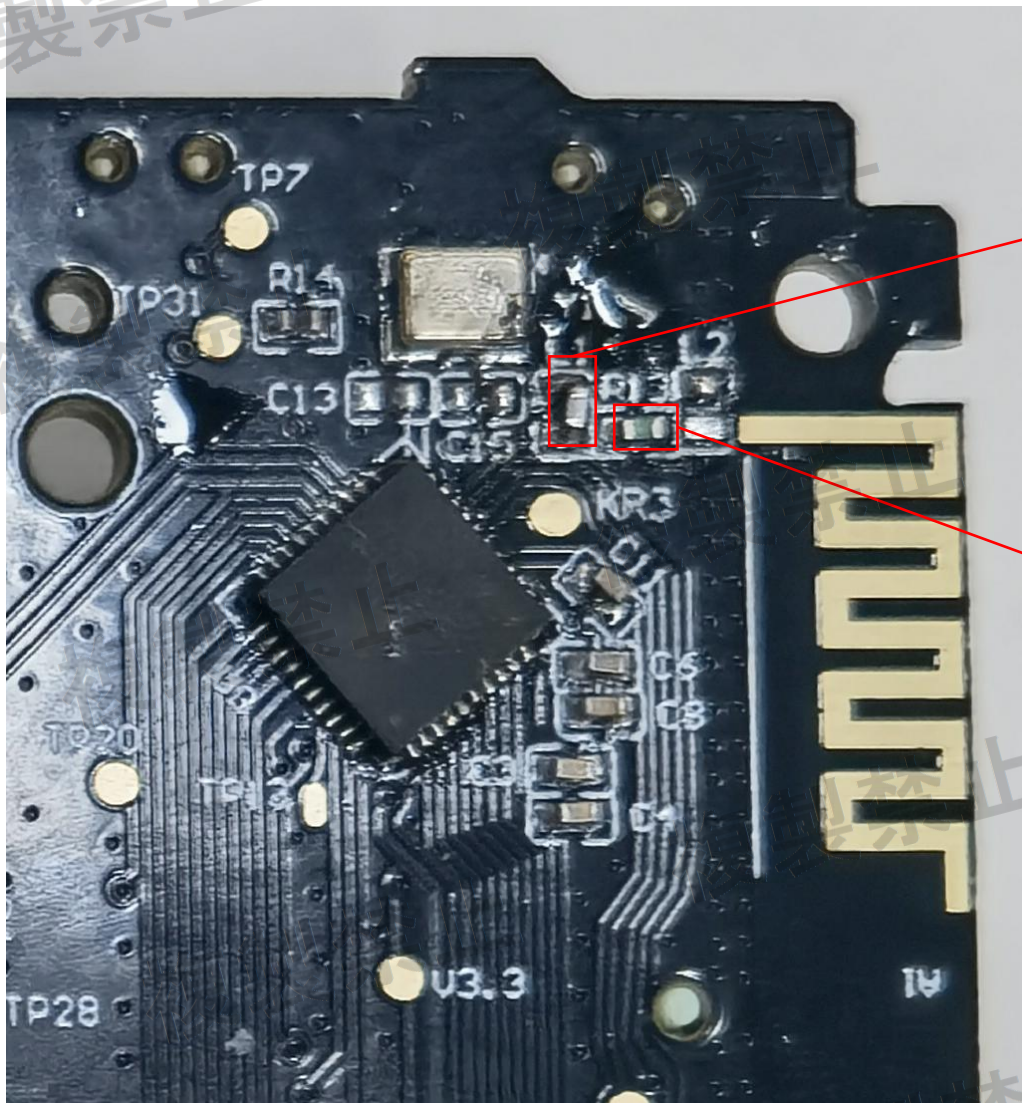
3.1 S11 Parameter

3.2 Gain & Efficiency

3.3 2D Pattern



匹配图

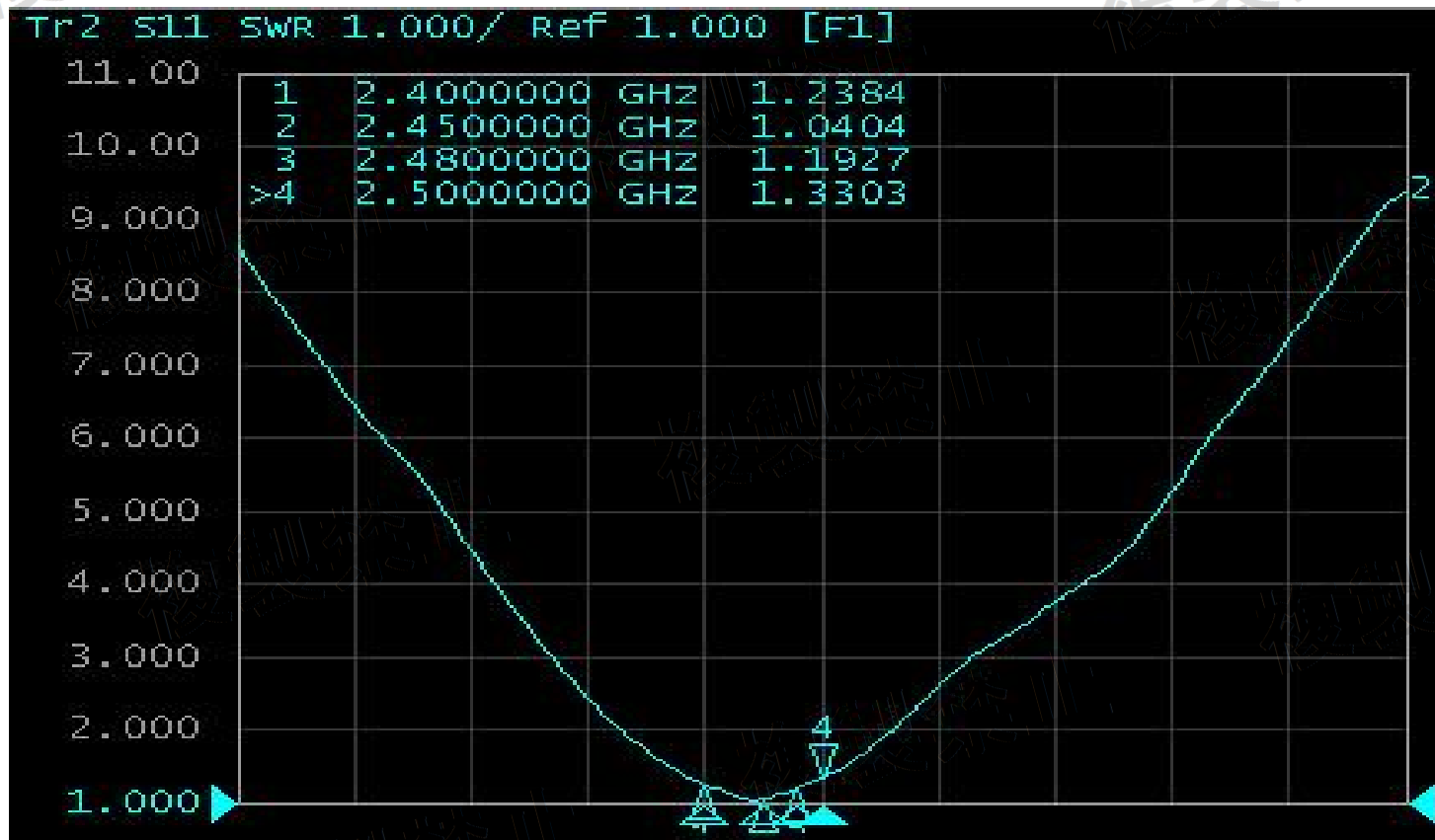


1.2P

1NH

3.1 Test Result

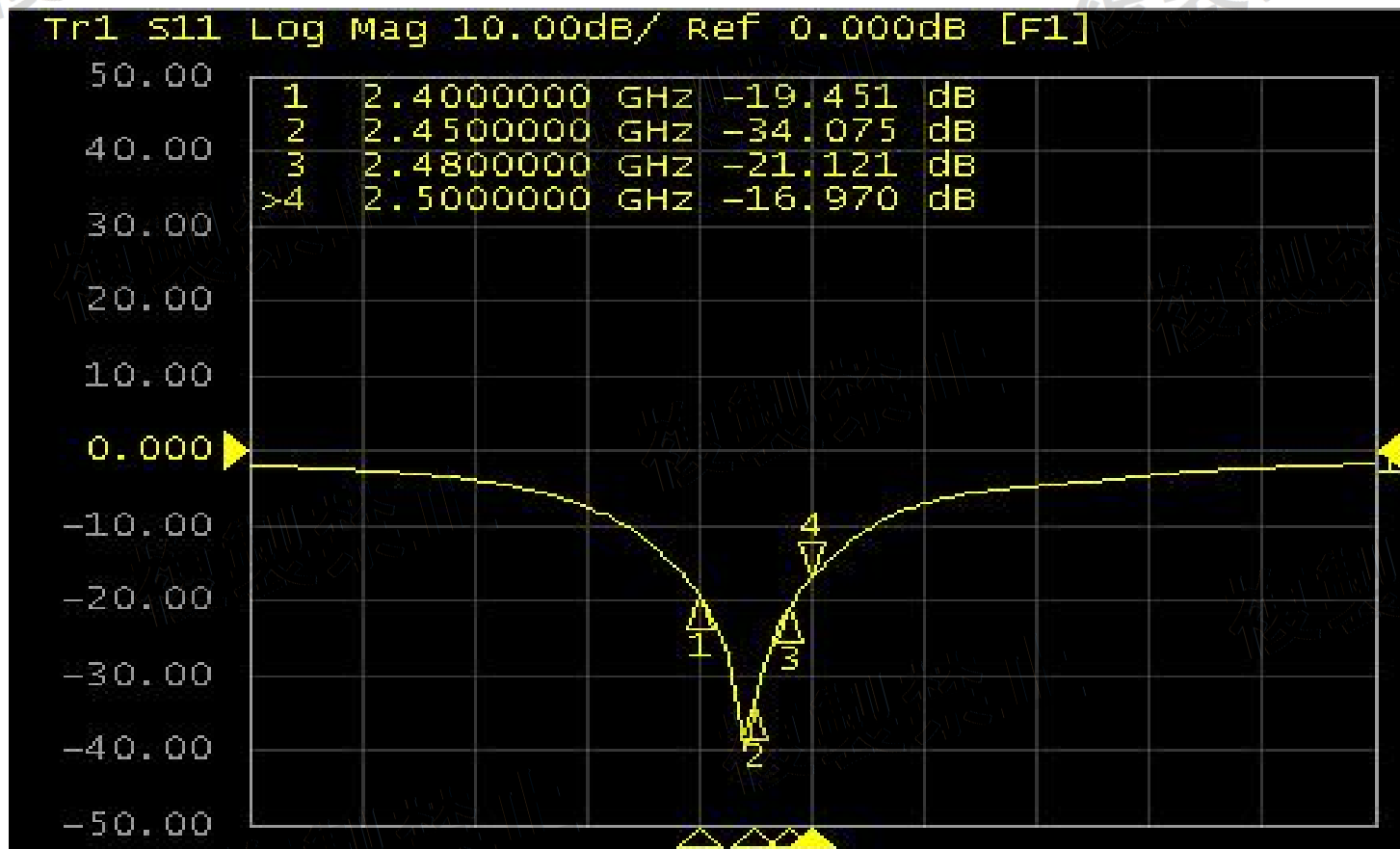
1.S11 Parameter-VSWR



Frequency (MHz)	2400	2450	2480	2500
VSWR	1.23	1.04	1.19	1.33

3.1 Test Result

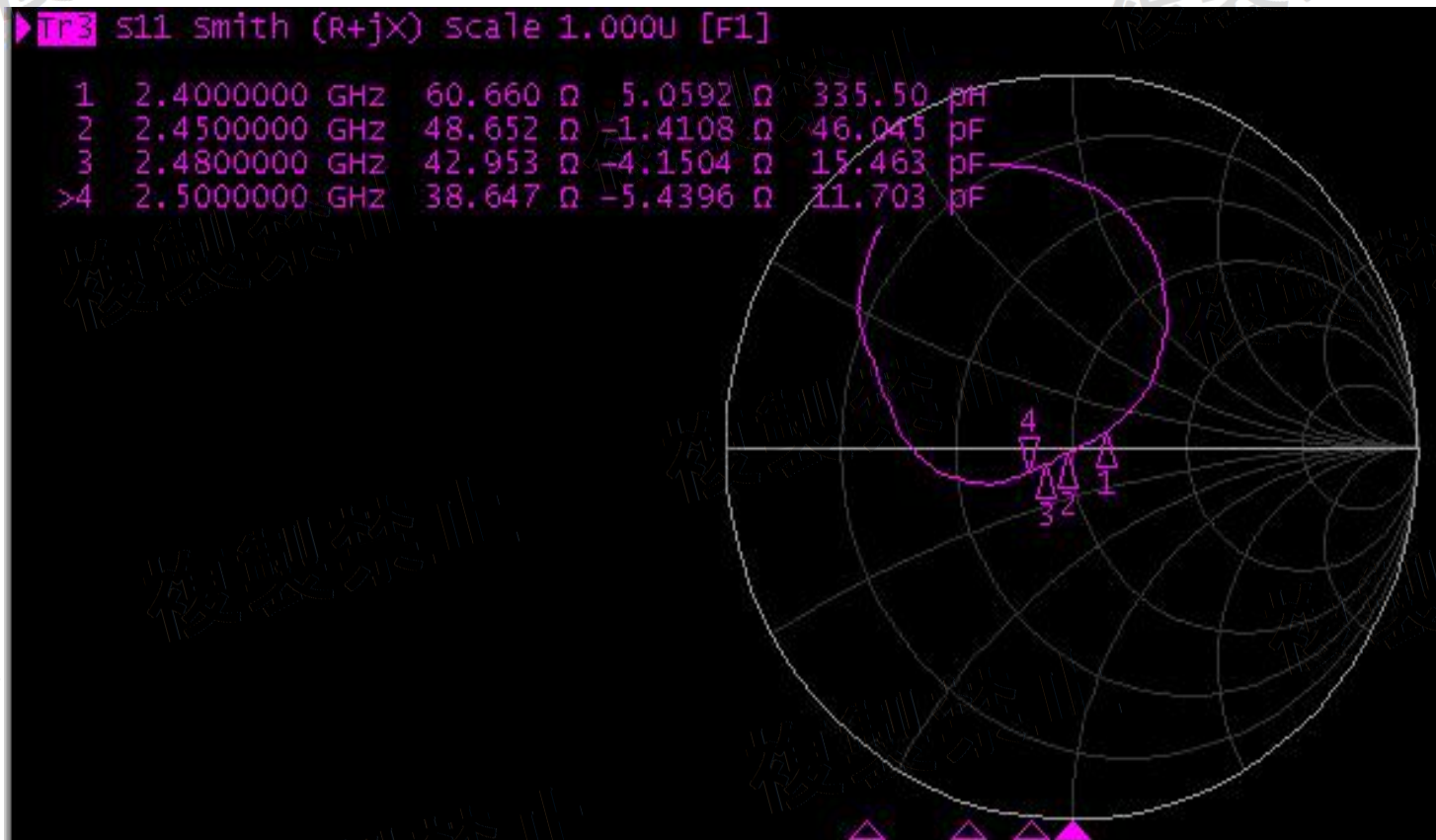
2. S11 Parameter-Log Mag



Frequency (MHz)	2400	2450	2480	2500
Log Mag	-19.45	-34.07	-21.12	-16.97

3.1 Test Result

3.S11 Parameter-Smith



Frequency (MHz)	2400	2450	2480	2500
Smith (Ω)	60.66	48.65	42.95	38.64

3.2 Test Result

1 Gain & Efficiency——**ANT**

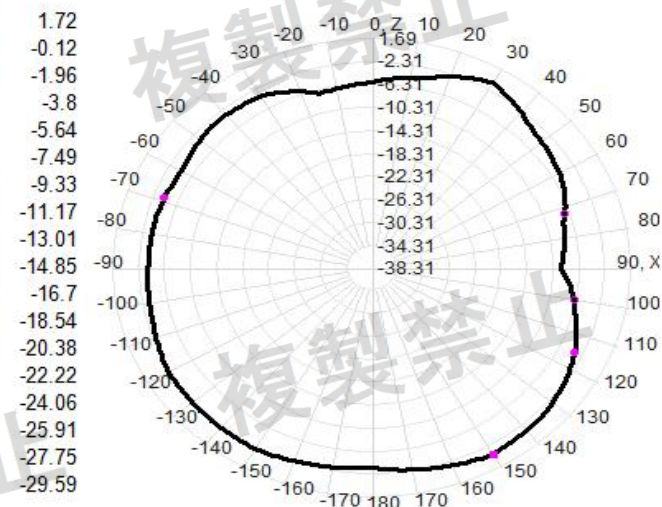
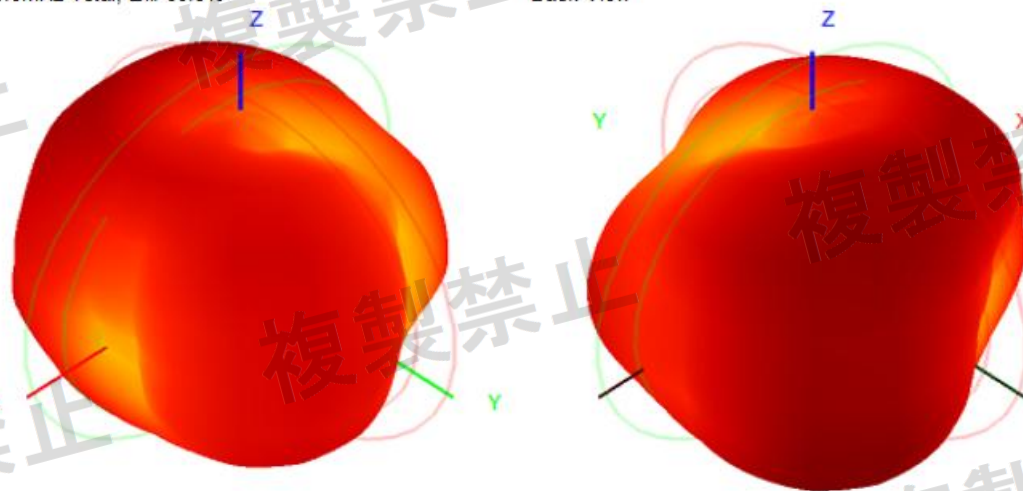
Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	60.33%	1.72
2410	59.36%	1.55
2420	58.60%	1.41
2430	58.34%	1.40
2440	58.15%	1.49
2450	58.30%	1.66
2460	58.52%	1.82
2470	58.95%	1.89
2480	59.28%	1.87

3.3 Test Result

1 2D Pattern——BTANT

2400.0MHz Total, Eff. 60.3%

Back View

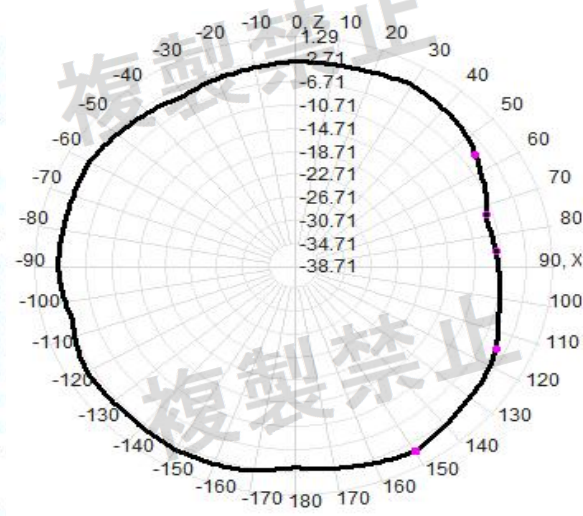
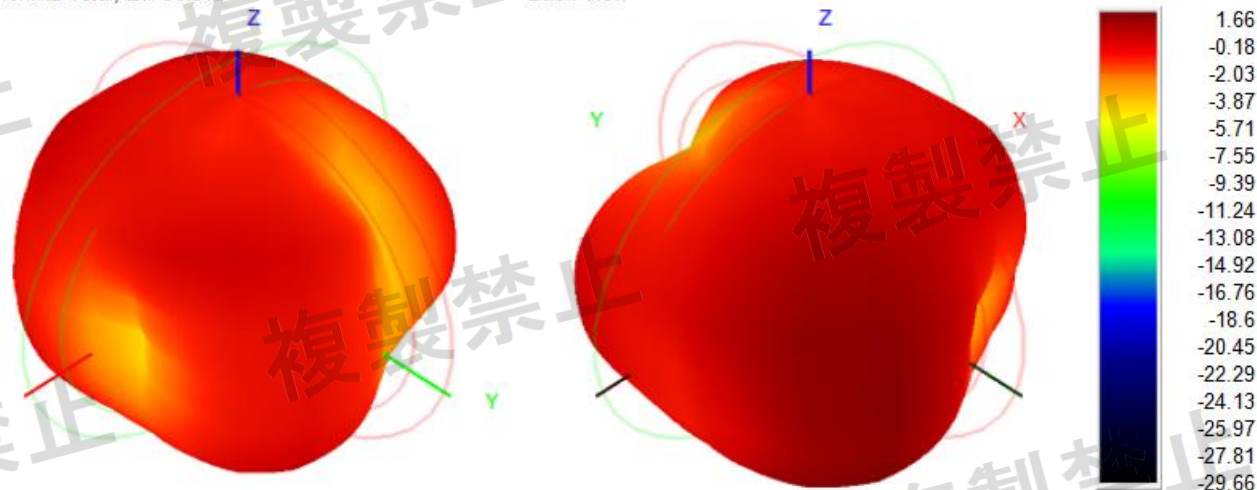


3.3 Test Result

2 2D Pattern——BTANT

2450.0MHz Total, Eff. 58.3%

Back View

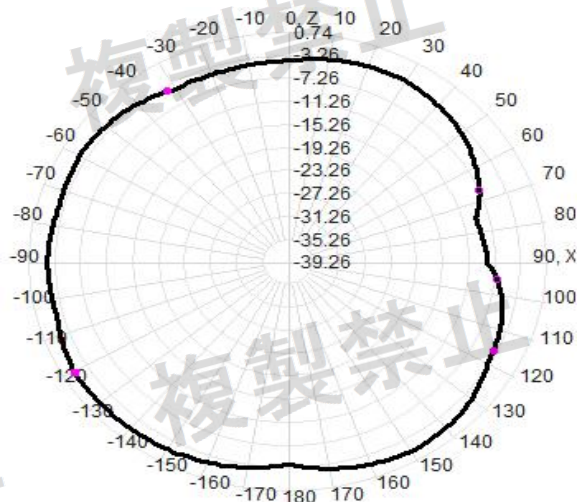
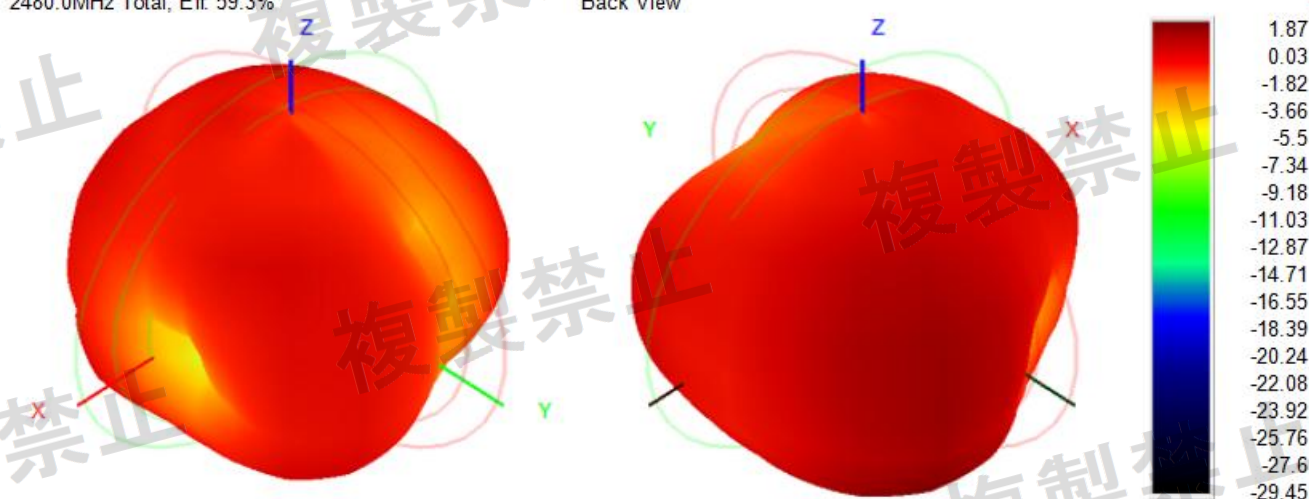


3.3 Test Result

3 2D Pattern——BTANT

2480.0MHz Total, Eff. 59.3%

Back View



Thank you!