



Customer	星晨
Project	0620
Antenna Revision	A0
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Checked by	
Date :	2025. 07. 11

Purpose

This report is to measure the performance of antenna for **0620** The antenna operating frequency at 2400MHz-2500MHz 。 All test data are showed as below.

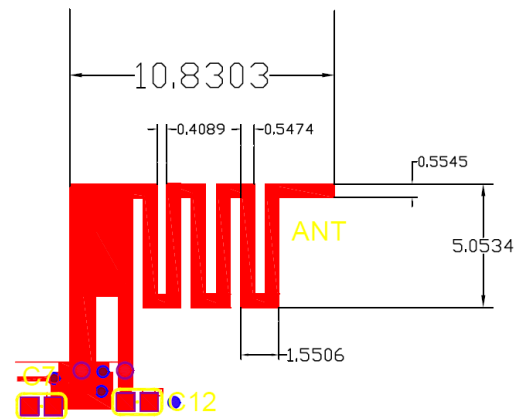
Content

1. Product Overview & Dimension
2. Test system
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3.1 S11 Parameter

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3.3 2D Pattern

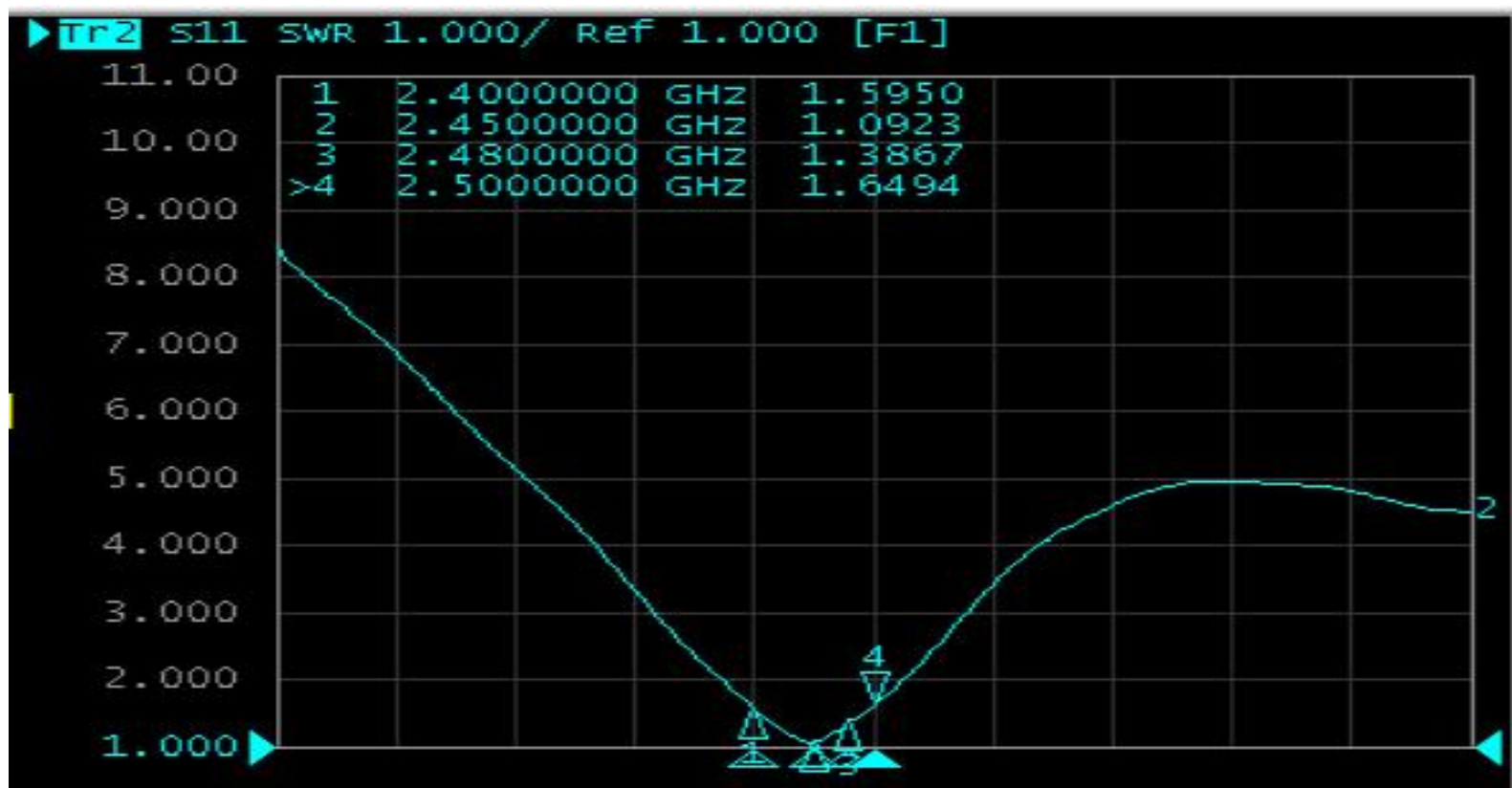


0620

NOTE: DIMENSIONS IN mm.

3.1 Test Result

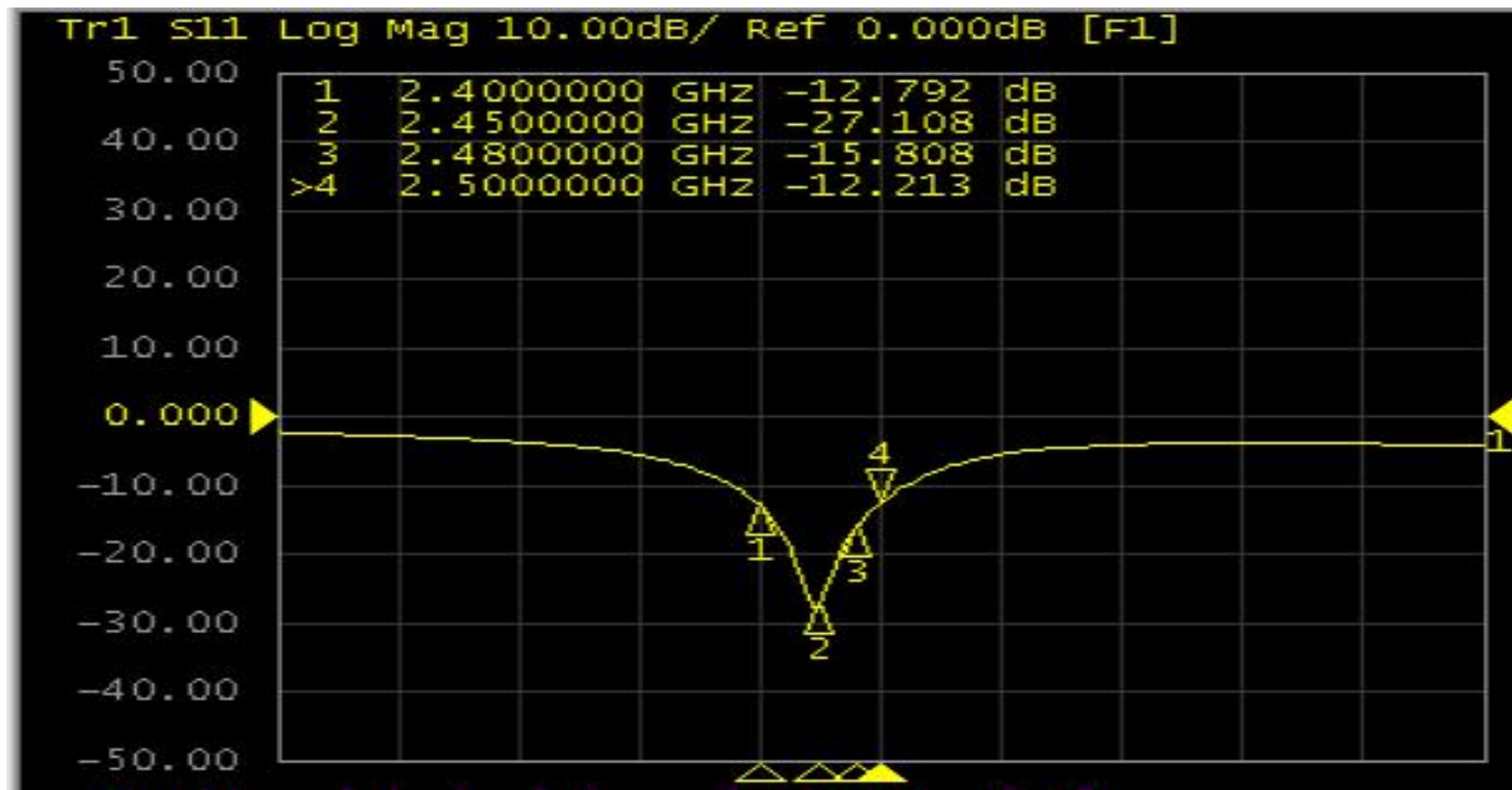
1 .S11 Parameter-VSWR



Frequency (MHz)	2400	2450	2480	2500
VSWR	1.59	1.09	1.38	1.64

3.1 Test Result

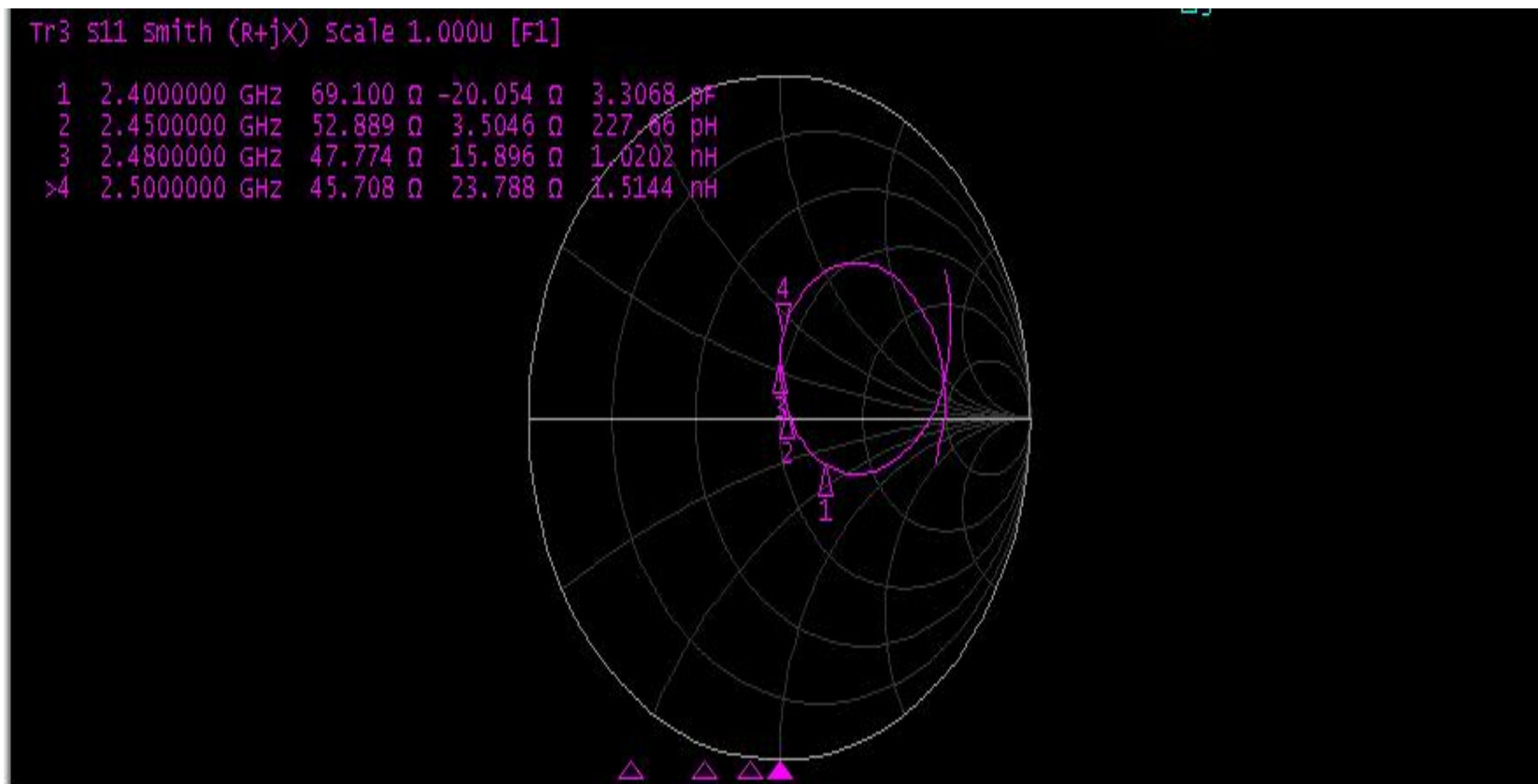
2. S11 Parameter-Log Mag



Frequency (MHz)	2400	2450	2480	2500
Log Mag	-12.79	-27.10	-15.80	-12.21

3.1 Test Result

3.S11 Parameter-Smith



Frequency (MHz)	2400	2450	2480	2500
Smi th(Ω)	69.10	52.88	47.77	45.70

3.2 Test Result

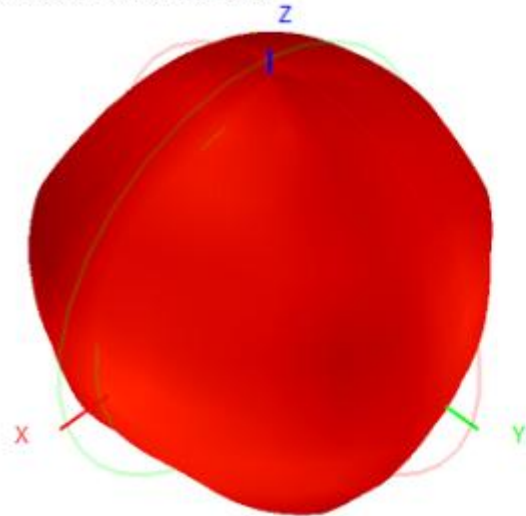
1 Gain & Efficiency—**ANT**

Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	47.01	0.86
2410	48.27	0.92
2420	48.95	1.00
2430	49.34	1.15
2440	49.06	1.13
2450	48.12	1.01
2460	47.32	0.74
2470	46.20	0.65
2480	45.40	0.60

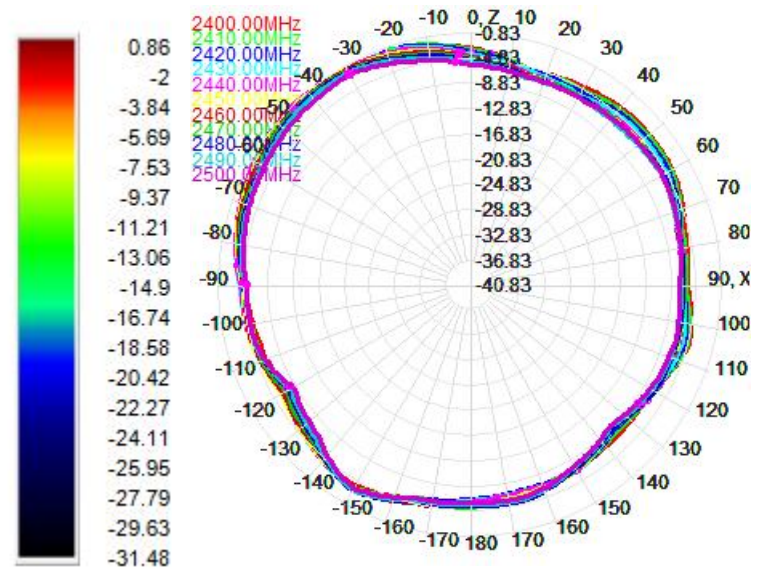
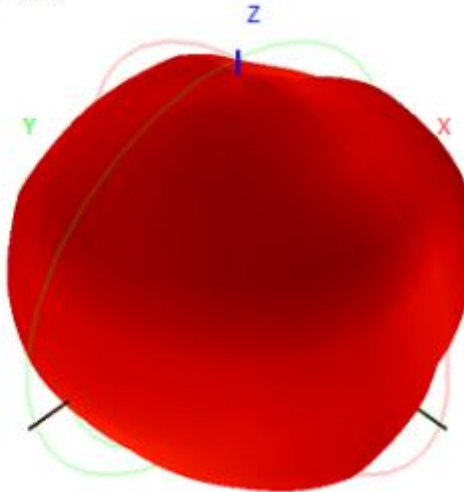
3.3 Test Result

1 2D Pattern——BTANT

2400.0MHz Total, Eff: 47.0%



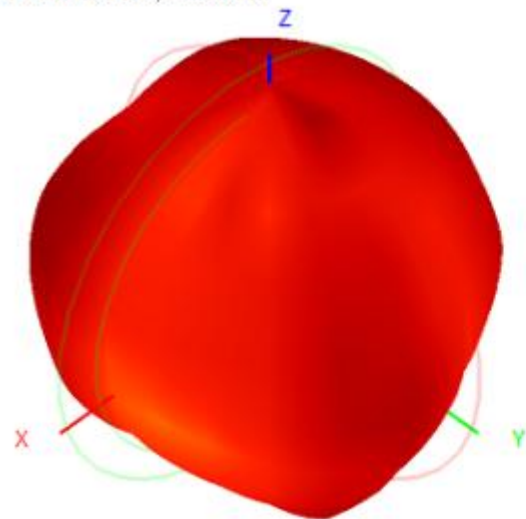
Back View



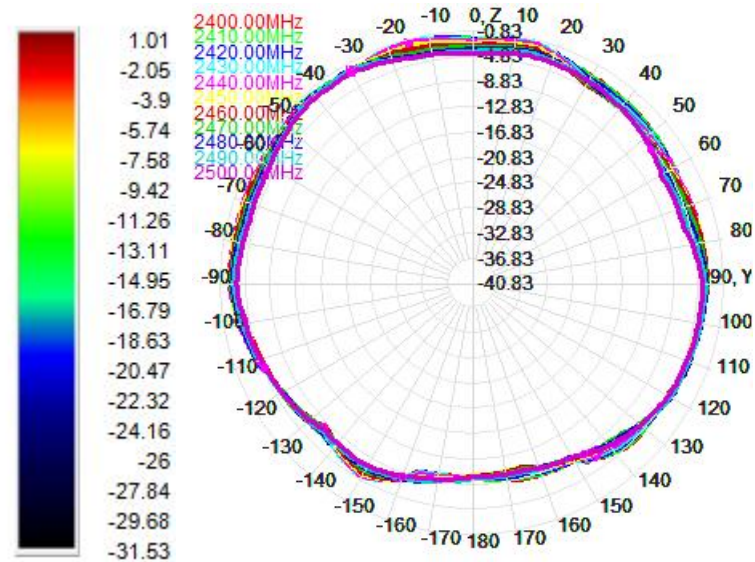
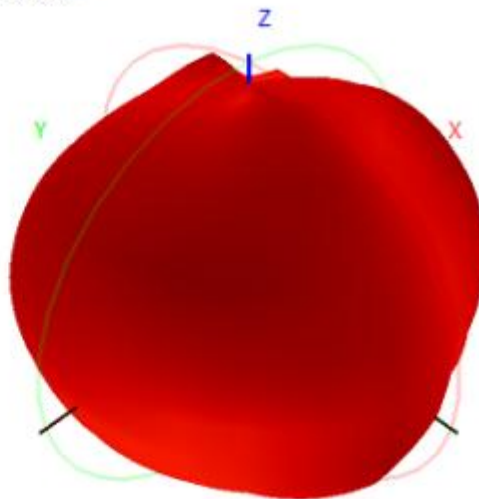
3.3 Test Result

2 2D Pattern—BTANT

2450.0MHz Total, Eff: 48.1%



Back View

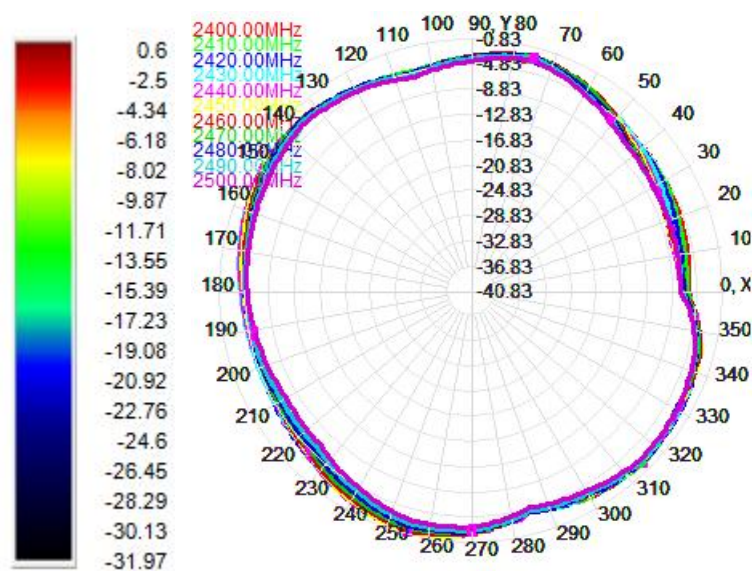
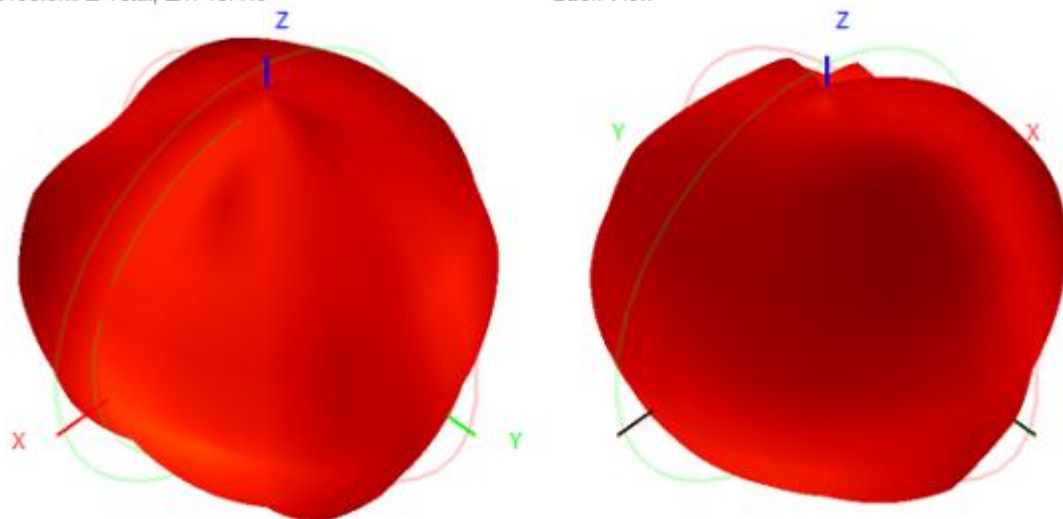


3.3 Test Result

3 2D Pattern—BTANT

2480.0MHz Total, Eff: 45.4%

Back View



Thank you!