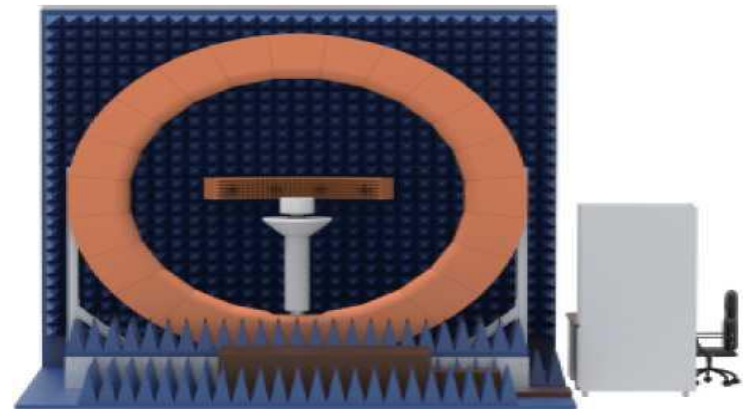
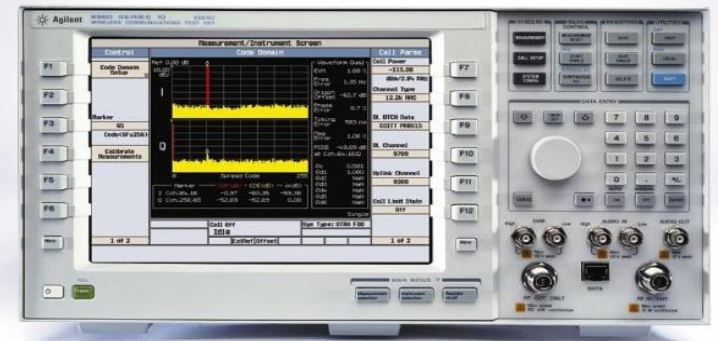




Customer	新联芯
Project	ANC590
Antenna Revision	A0
Prepared by	18814303605
Checked by	
Date :	2025. 02. 28

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 **ANC590** 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

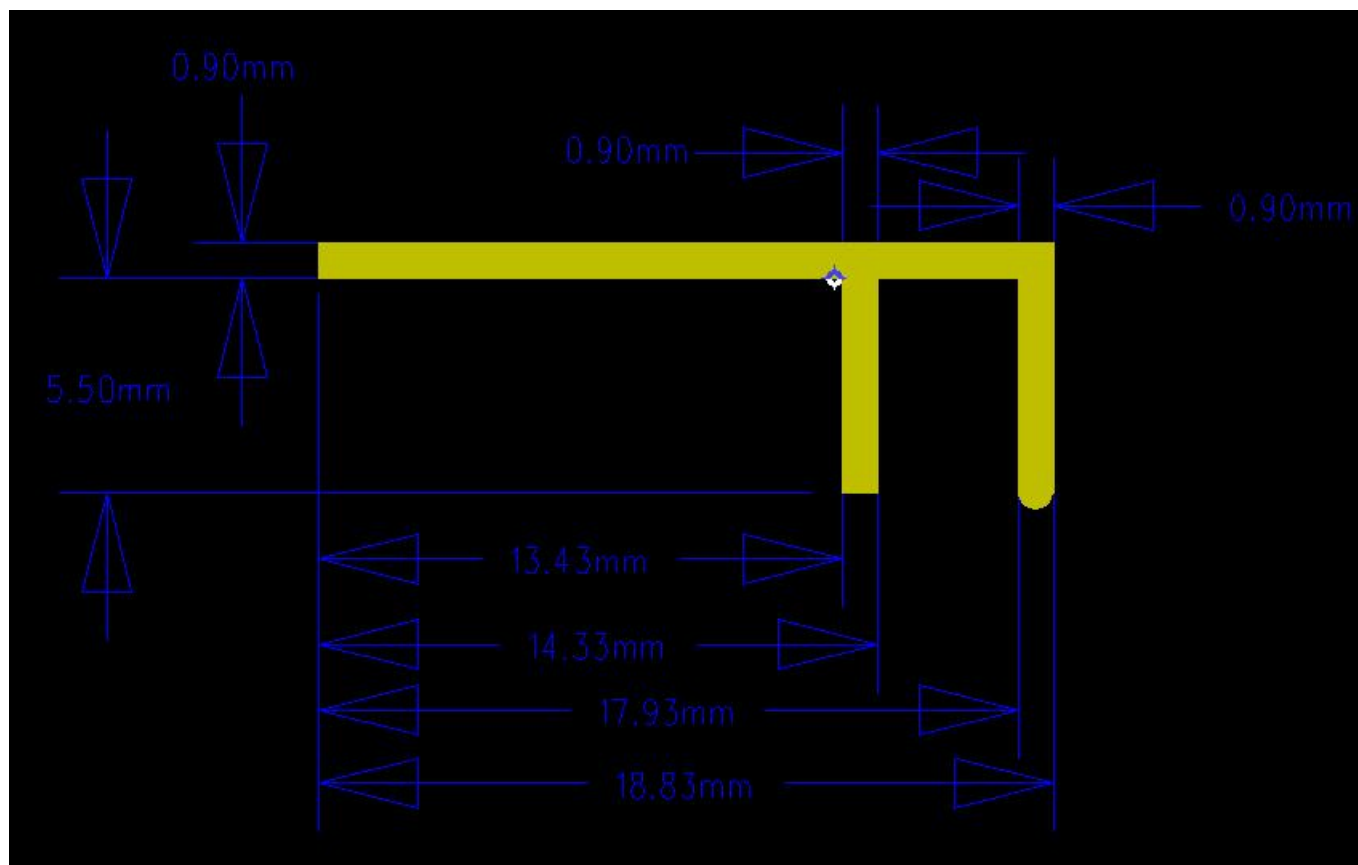
4 OTA

4.1 Test Result

4.2 2D Pattern

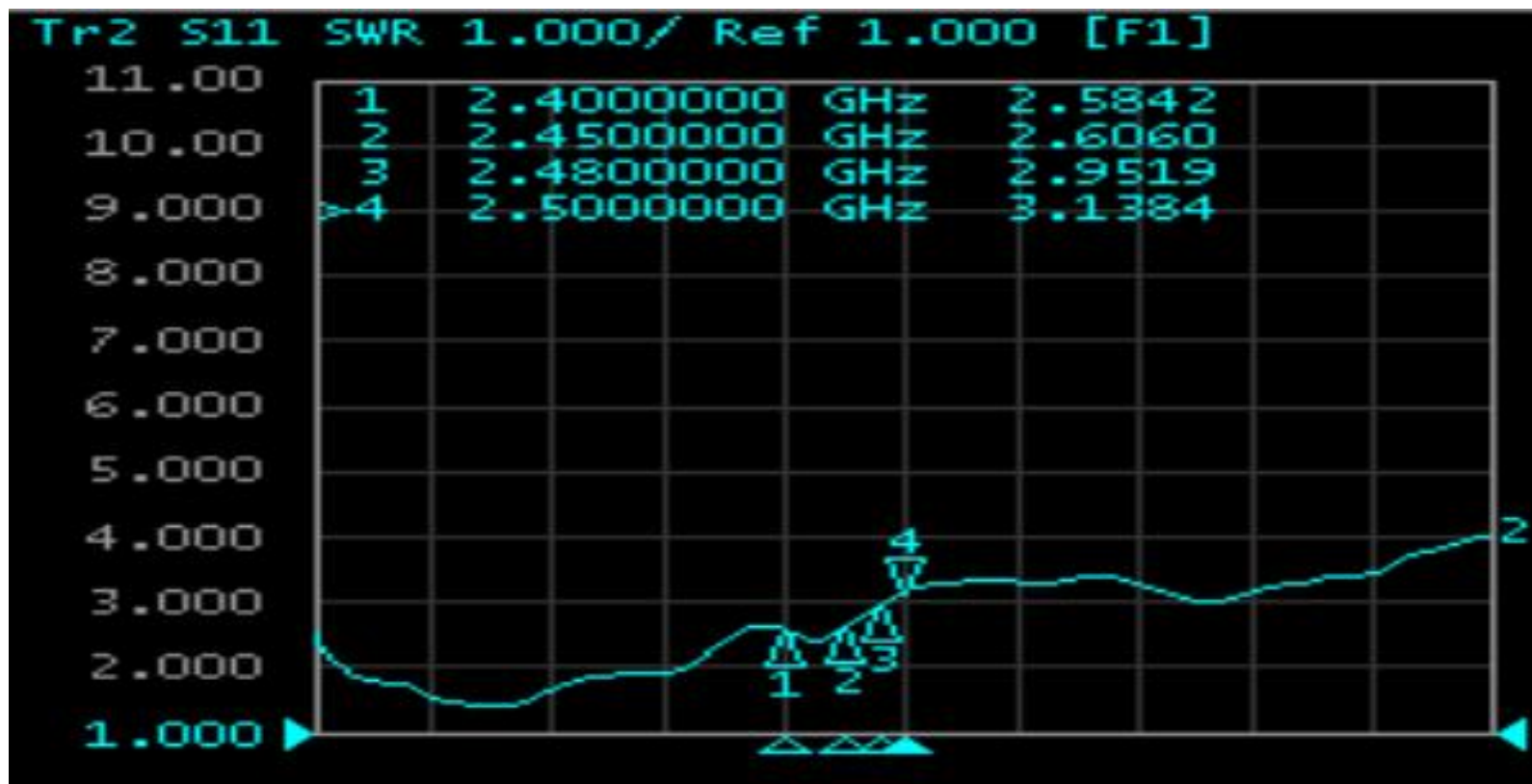


ANC590



3.1 Test Result

1 .S11 Parameter-VSWR



Frequency (MHz)	2400	2450	2480	2500
VSWR	2.58	2.60	2.95	3.13

3.1 Test Result

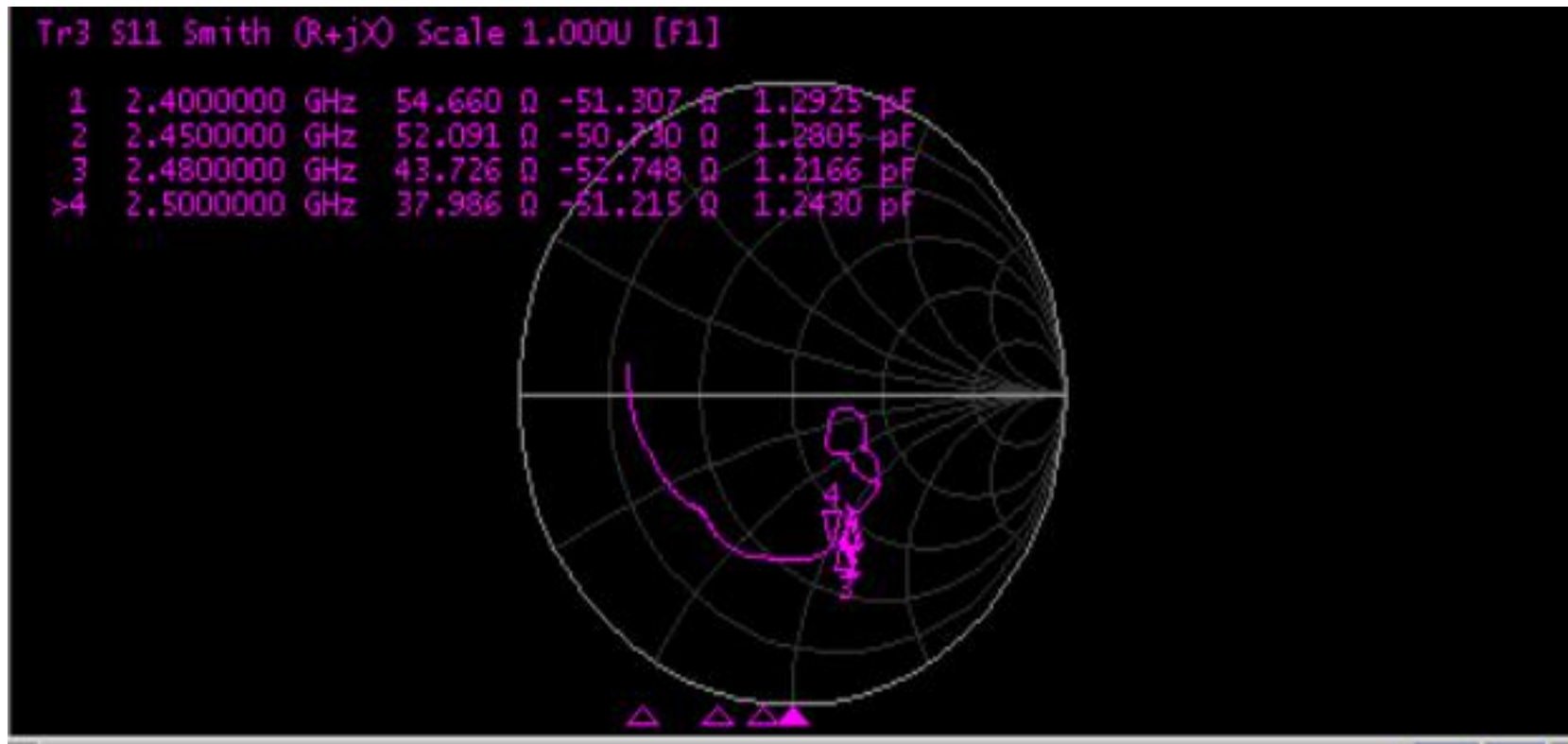
2. S11 Parameter-Log Mag



Frequency (MHz)	2400	2450	2480	2500
Log Mag	-7.09	-7.02	-6.12	-5.73

3.1 Test Result

3.S11 Parameter-Smith



Frequency (MHz)	2400	2450	2480	2500
Smi th(Ω)	54.66	52.09	43.72	37.98

3.2 Test Result

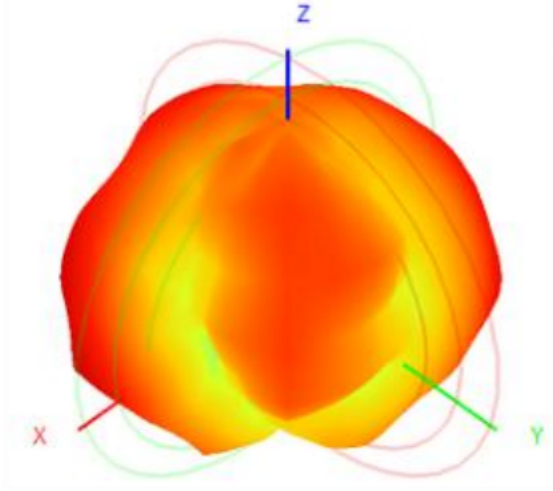
1 Gain & Efficiency—**ANT**

Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	39.38	2.32
2410	40.23	2.41
2420	42.25	2.36
2430	45.07	2.39
2440	46.79	2.50
2450	48.19	2.44
2460	49.11	2.46
2470	49.63	2.42
2480	50.07	2.49

3.3 Test Result

1 2D Pattern——BTANT

2440.0MHz Total, Eff: 39.4%



Back View

