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Shenzhen Helixun Technology Co., Ltd

2.TestSystem

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 **6127** 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

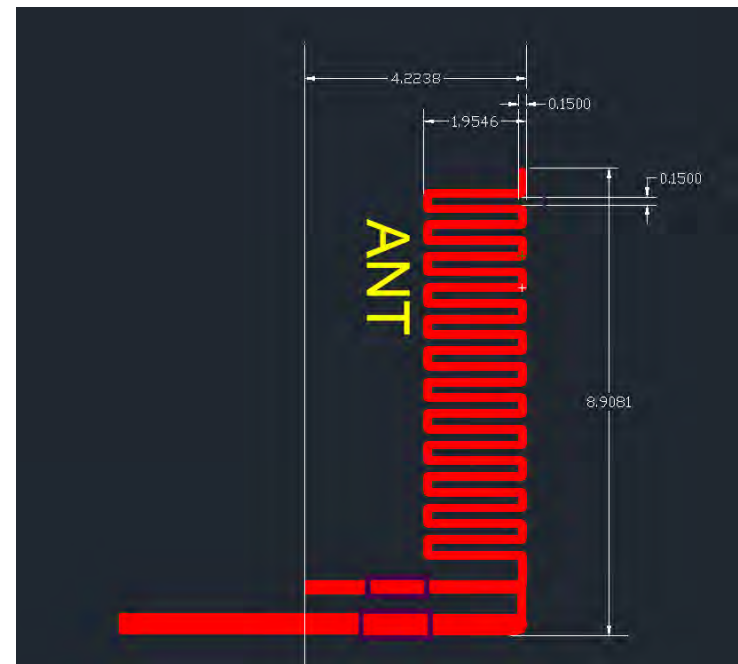
3.2 Gain & Efficiency

3.3 2D Pattern

匹配图

PCB antenna

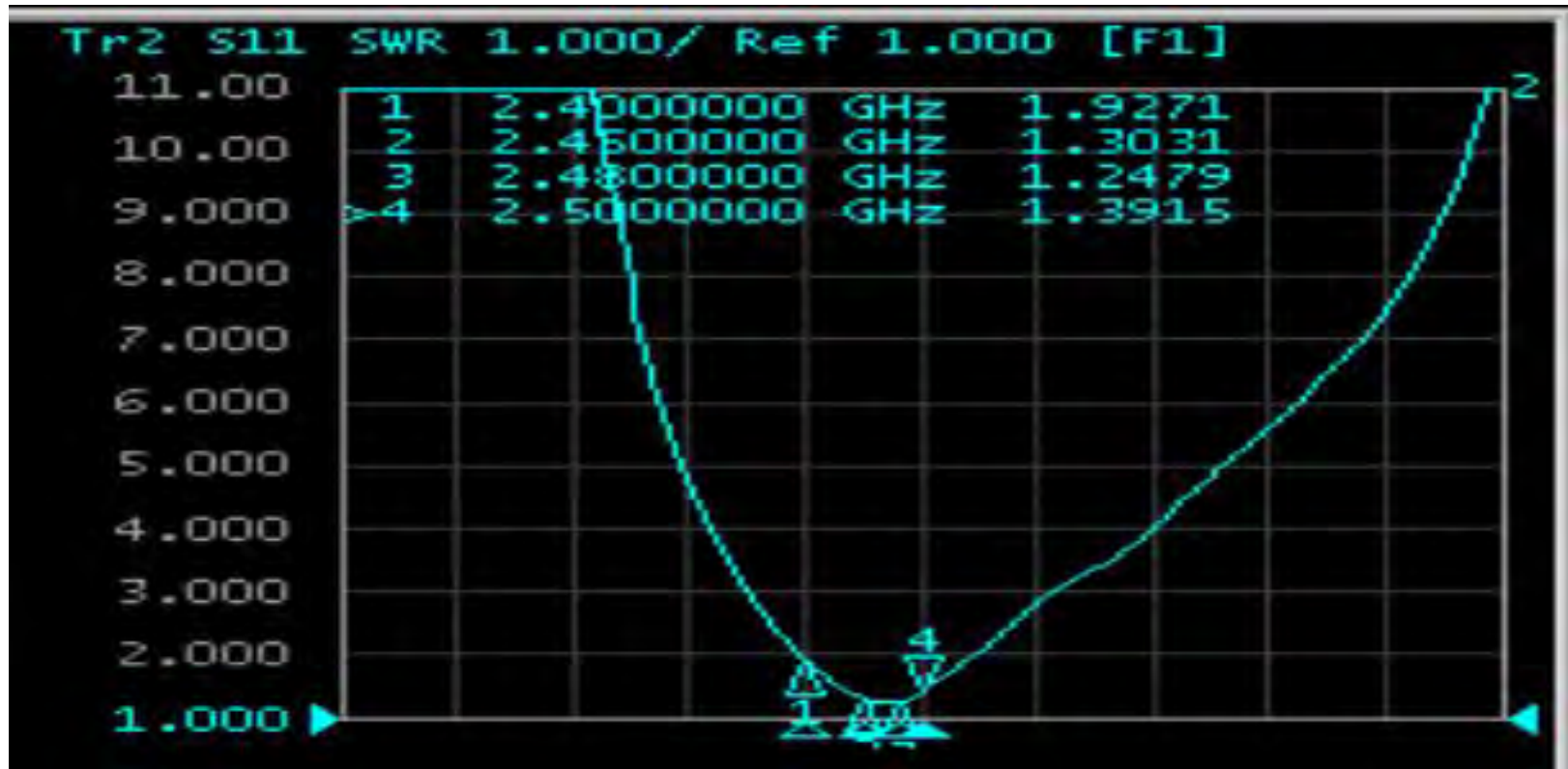
model: 6127-ANT



NOTE: DIMENSIONS IN mm.

3.1 Test Result

1 .S11 Parameter-VSWR



Frequency (MHz)	2400	2450	2480	2500
VSWR	1.92	1.30	1.24	1.39

3.1 Test Result

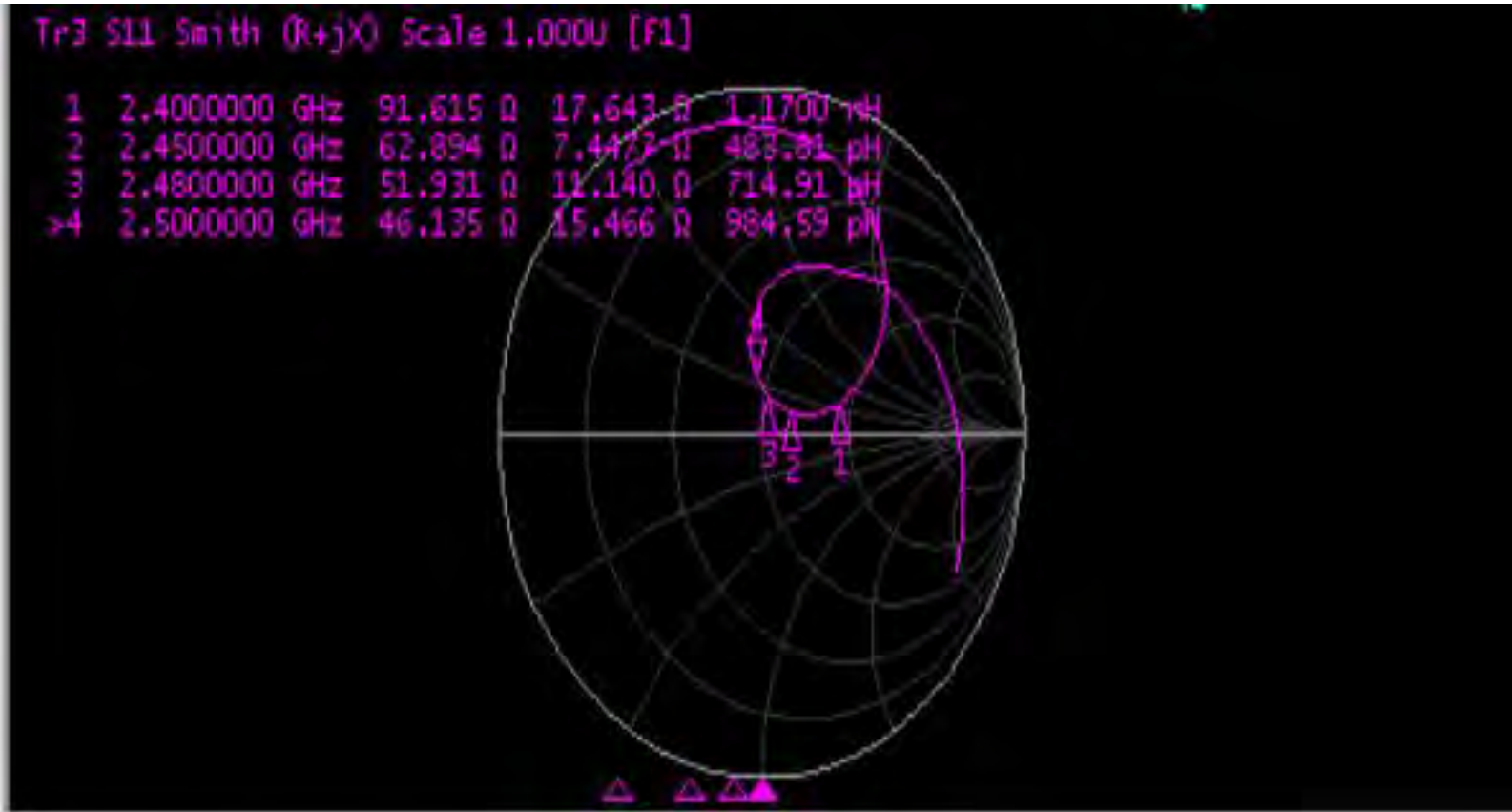
2. S11 Parameter-Log Mag



Frequency (MHz)	2400	2450	2480	2500
Log Mag	-9.98	-17.61	-19.15	-15.71

3.1 Test Result

3.S11 Parameter-Smith



Frequency (MHz)	2400	2450	2480	2500
Smi th(Ω)	91.61	62.89	51.93	46.13

3.2 Test Result

1 Gain & Efficiency—**ANT**

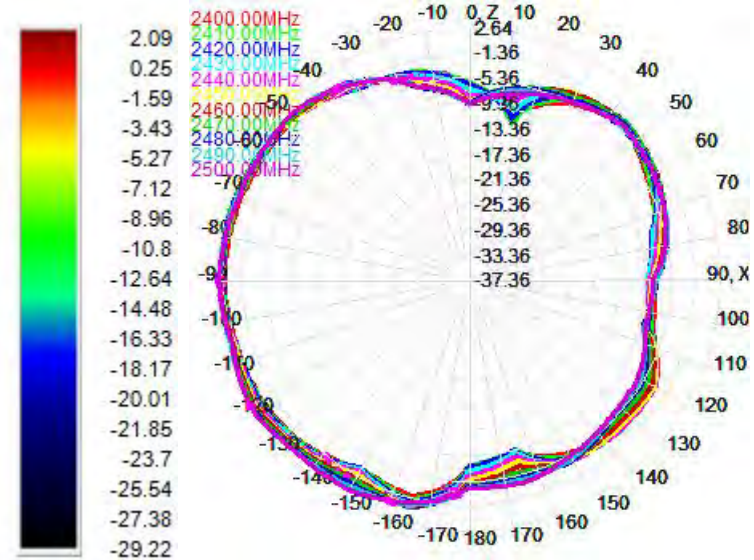
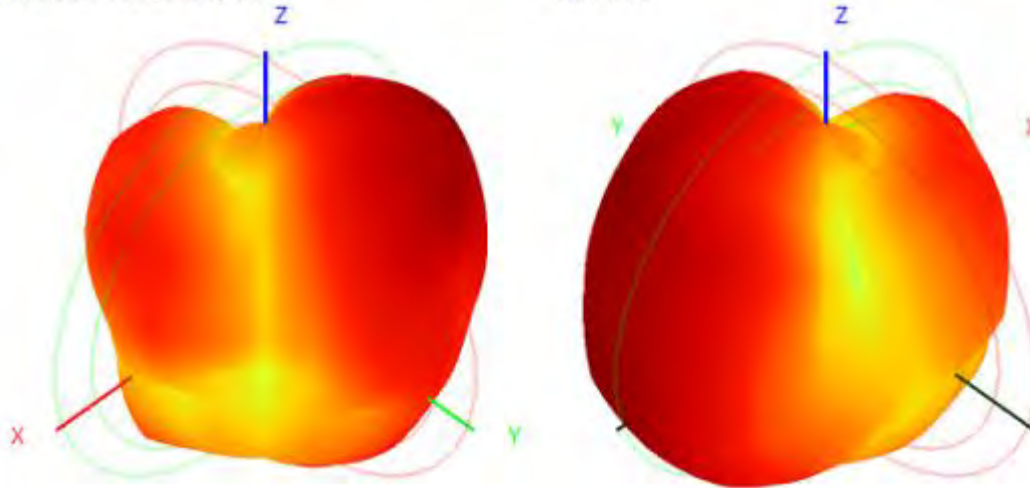
Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	43.33	2.09
2410	44.34	2.32
2420	45.34	2.45
2430	46.77	2.53
2440	48.26	2.52
2450	49.35	2.37
2460	50.77	2.22
2470	51.82	2.28
2480	53.03	2.49

3.3 Test Result

1 2D Pattern——BTANT

2400.0MHz Total, Eff: 43.3%

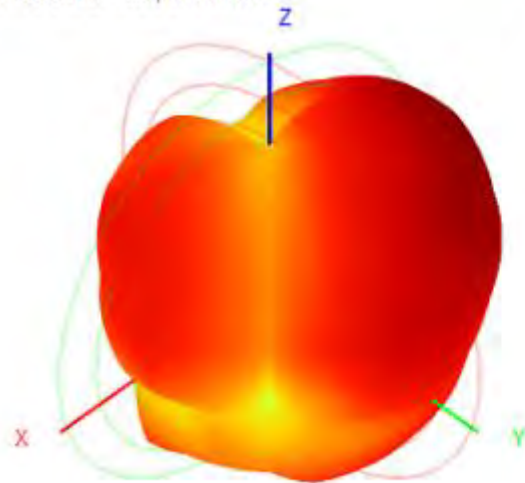
Back View



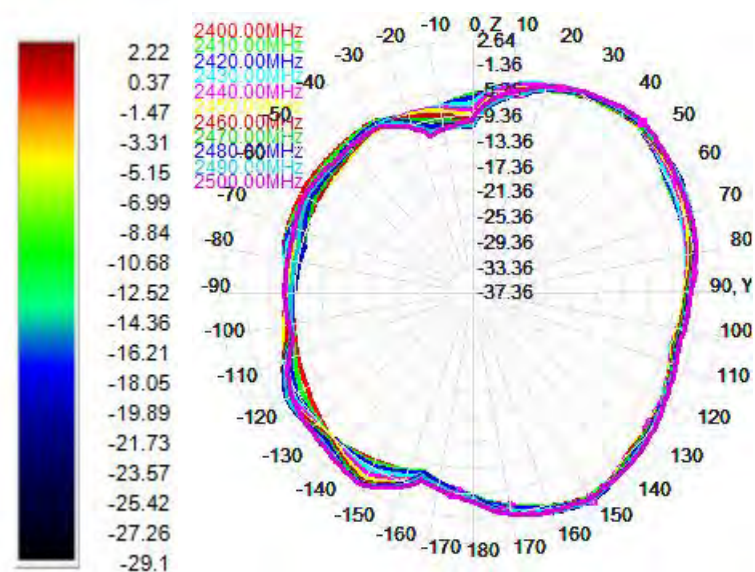
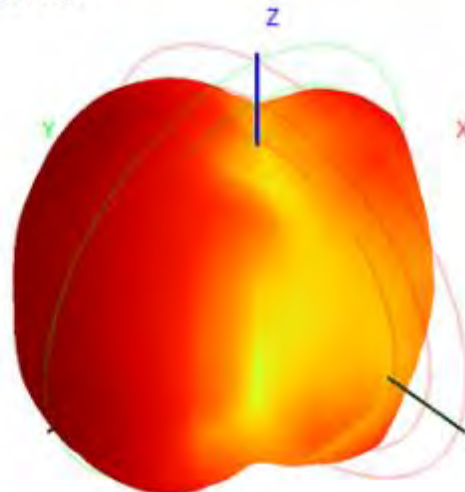
3.3 Test Result

2 2D Pattern—BTANT

2460.0MHz Total, Eff: 50.8%



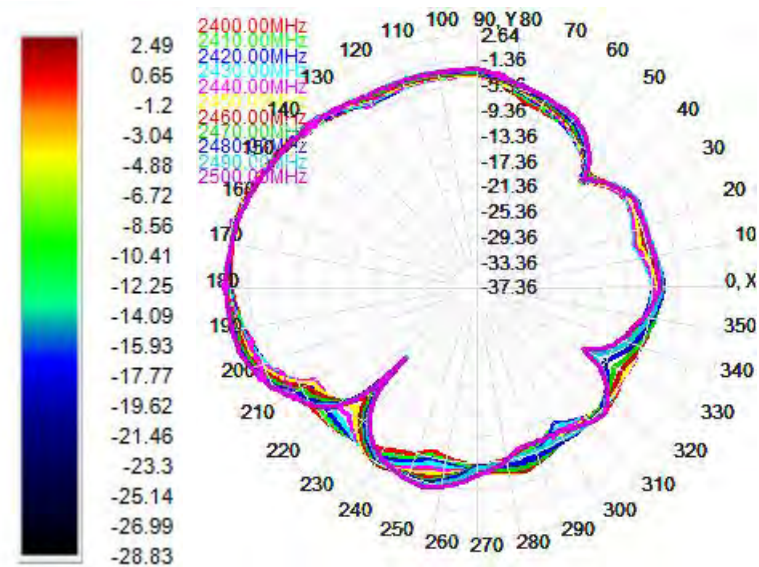
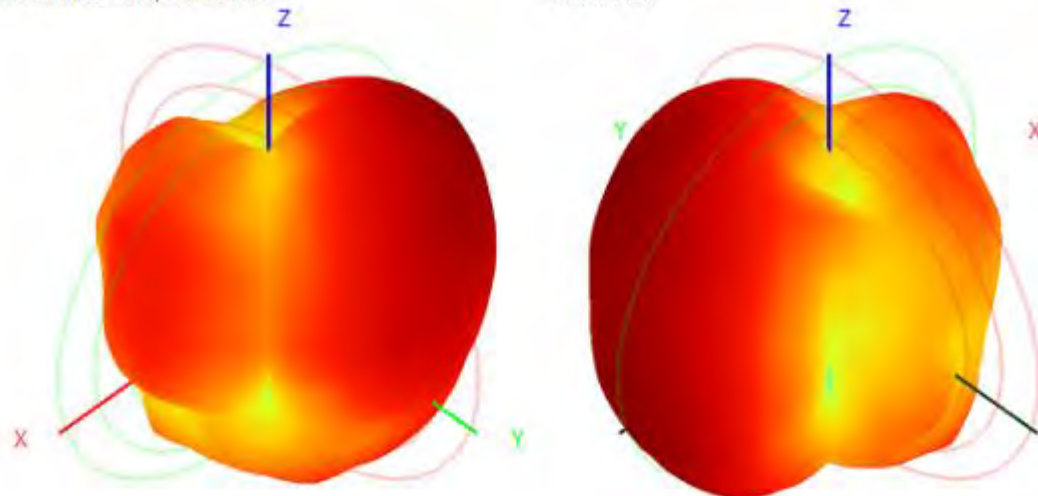
Back View



3.3 Test Result

3 2D Pattern—BTANT

2480.0MHz Total, Eff: 53.0%



Thank you!