

Antenna test report

Purpose

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

Content

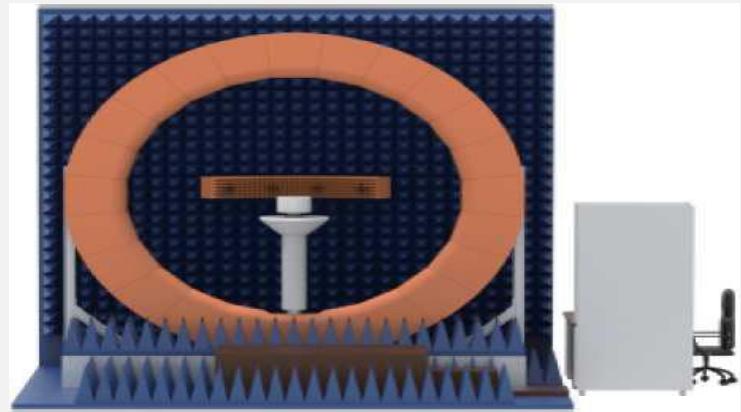
1. Test system
2. Product Overview Dimension
3. Test Result
 - 3.1 S11 Parameter
 - 3.2 Gain & Efficiency
 - 3.3 2D Pattern

Manufacture: Chipsun Smart Co., Ltd.

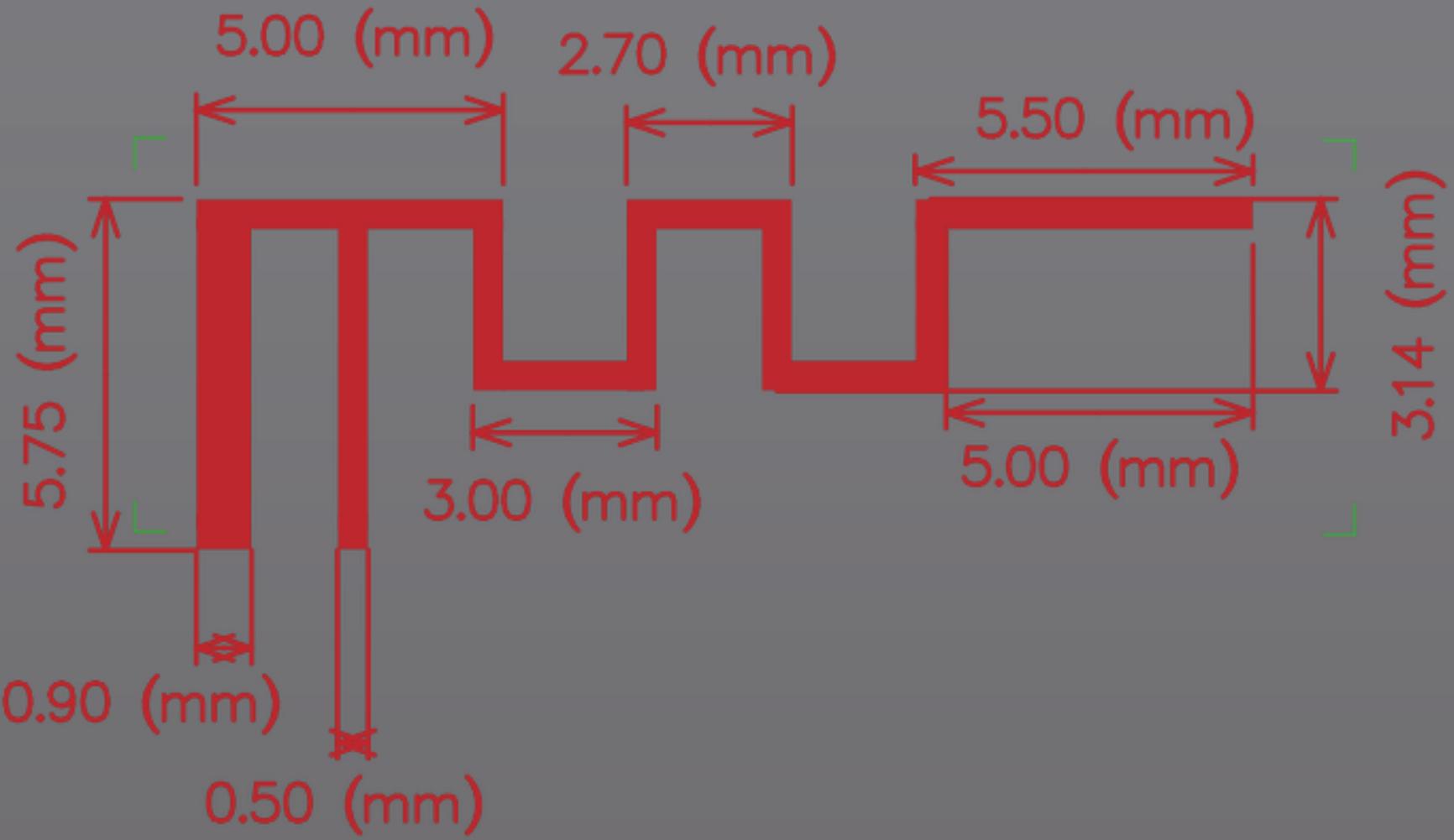
Address: Duchuang Yungu, Third Industrial Zone, Shiyan Subdistrict, Bao'an District, Shenzhen, China

1. 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



2. Product Overview & Dimension



3. Test Result

3.1 S11 Parameter-VSWR



frequency (MHz)	2400	2450	2480	2500
VSWR	1.63	1.52	1.44	1.41

3. Test Result

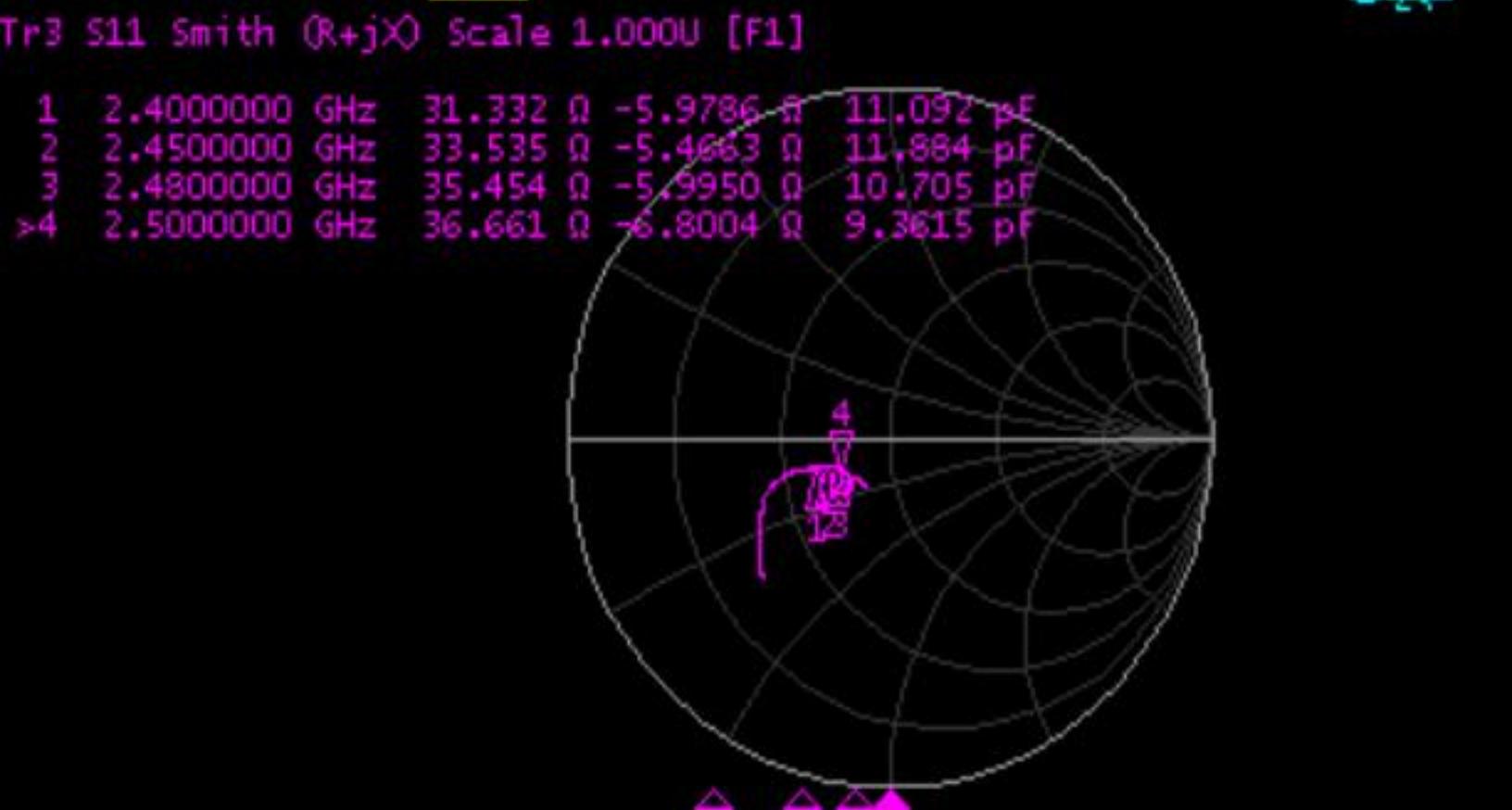
3.1 S11 Parameter-Log Mag



Frequency (MHz)	2400	2450	2480	2500
Log Mag	-12.38	-13.67	-14.72	-15.27

3. Test Result

3.1 S11 Parameter-Smith



Frequency (MHz)	2400	2450	2480	2500
Smith(Ω)	31.33	33.53	35.45	36.66

3. Test Result

3.2 Gain & Efficiency—ANT

Frequency (MHz)	Efficiency (%)	Max GAIN (dBi)
2400	55.85	-1.32
2410	57.02	-1.19
2420	56.89	-0.73
2430	56.49	-0.49
2440	57.15	-0.36
2450	59.29	0
2460	61.52	-0.28
2470	59.98	-0.34
2480	60.67	-0.39
2490	60.26	-0.47
2500	59.98	-0.78

3. Test Result

3.3 3D Pattern 2450MHz ——BT ANT (dBi)

