

Antenna Specifications

东莞市创燊电子有限公司

Name: Dongguan Chuanshen Electronics Co., Ltd.

Address: Room 504, No.1 Tailian Lane, Chang'an Town, Dongguan City, Guangdong Province

Customer	ARKON ELECTRONICS (HUIZHOU) CO., LIMITED
Model	PCB Antenna
Antenna Revision	A1
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Date:	2023. 09. 21
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Purpose

This report is to measure the performance of antenna for P C B Antenna The antenna operating frequency at 2400-2483.5MHz, All test data are showed as below.

Content

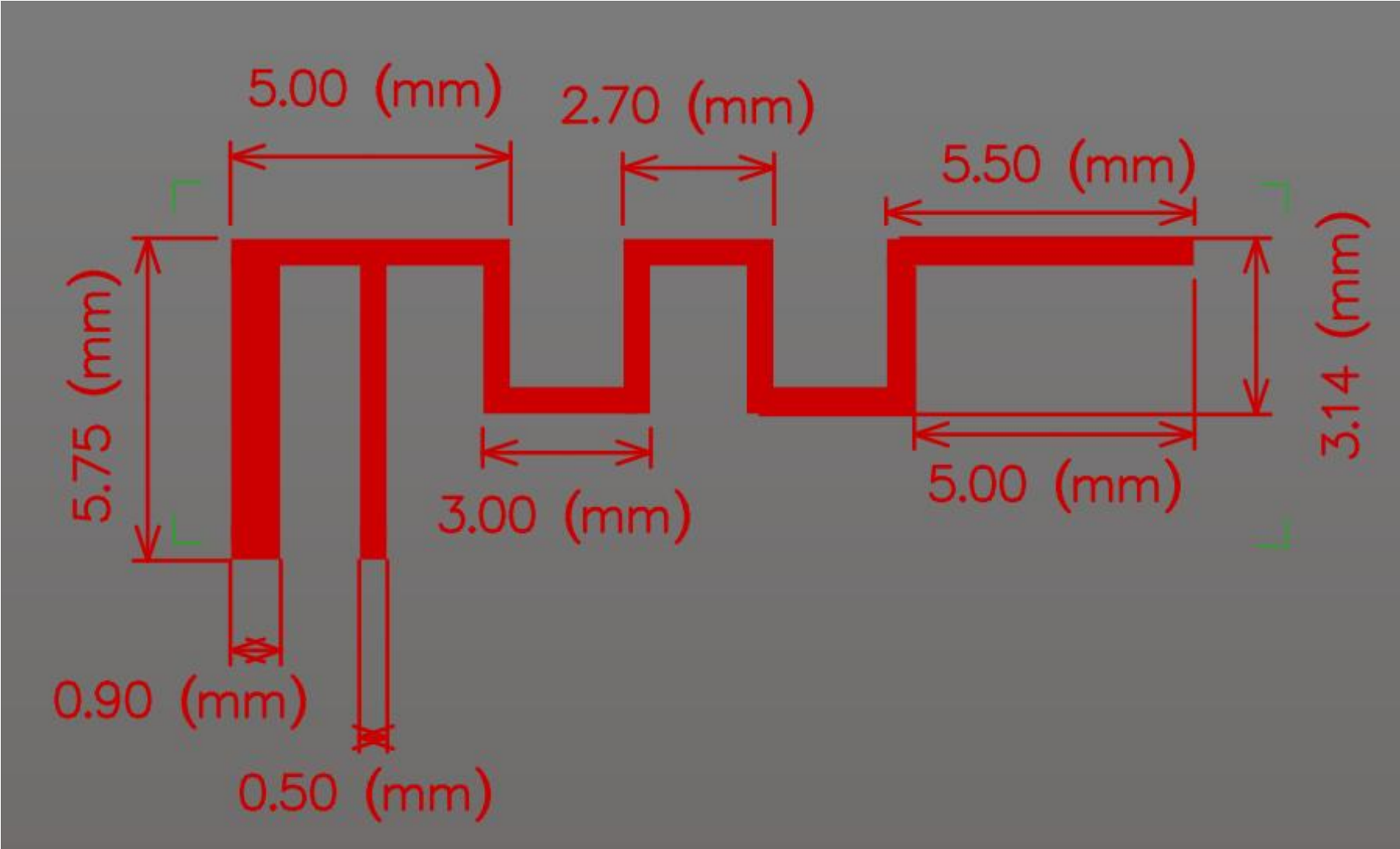
1. test system
2. Product Overview Dimension
3. Test Result
 - 3.1 S11 Parameter
 - 3.2 Gain & Efficiency
 - 3.3 2D Pattern

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



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

3. Test Result

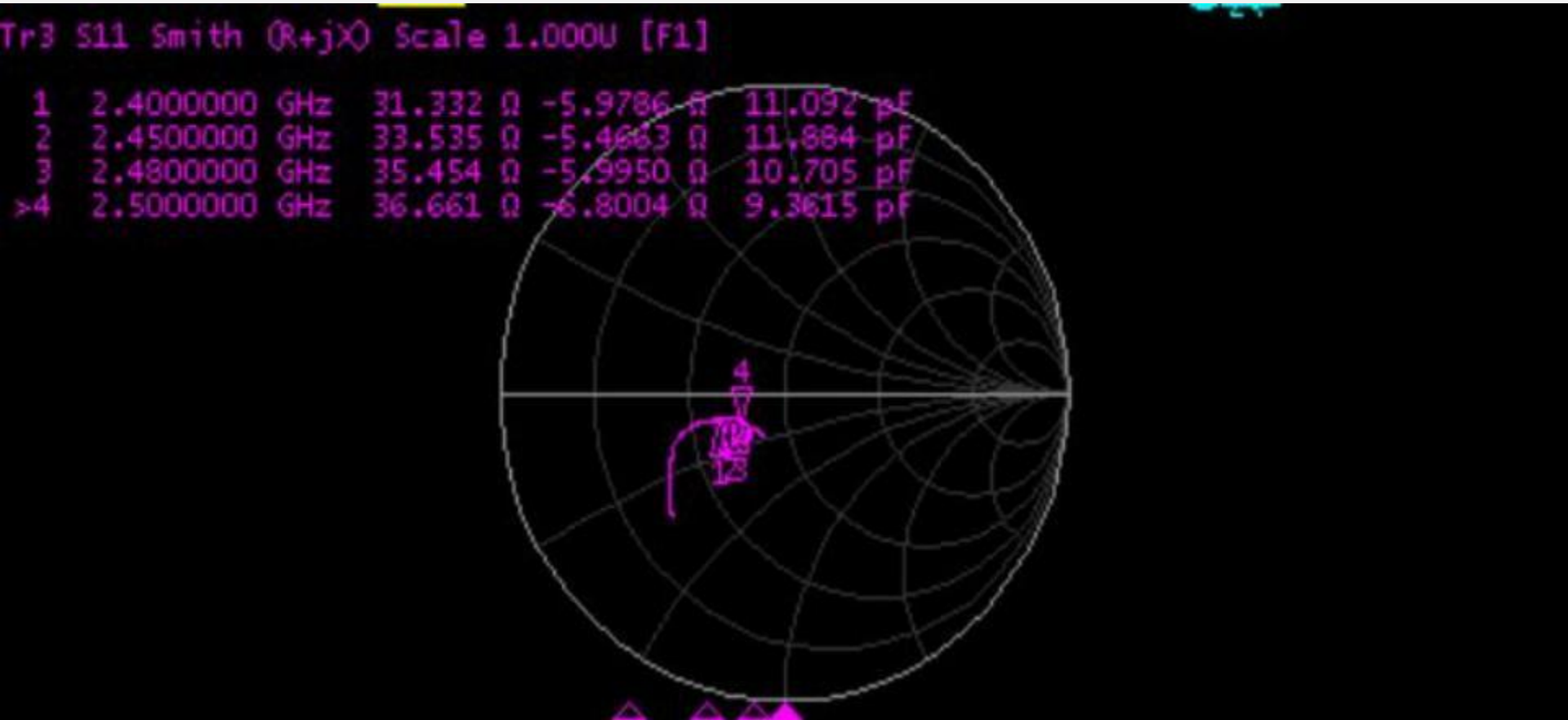
3.1 S11 Parameter-Log Mag



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	-1.31
2410	57.02	-1.18
2420	56.89	-0.72
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 2D Pattern——BTANT

