

SPECIFICATION FOR APPROVAL

CUSTOMER/PROJECT: _____

CUSTOMER P.N: _____

PRODUCT NAME: WIFI ANT

MODEL NO: 26B007A-41

SPECIFICATION: _____

SUPPLIER AUTHORIZED SIGNATURE		
PREPARED	CHECKED	APPROVED
WDH		

CUSTOMER AUTHORIZED SIGNATURE			
PM		QE	

Please return to us one copy of "SPECIFICATION FOR APPROVAL" with your approved signature.

**ADD: No.358 Liuyuan RD., Baoshan Urban Industrial
District., Shanghai, PR.China.**

TEL: +86-21-66276925(26/29/35) - 615

Content

content	1
1 Noun explanation.....	4
2 Test equipment	4
3 Working frequency band	4
4 Test project.....	5
4.1 VSWR plot	5
4.2 Simth plot	5
4.3 Radiation pattern	5
4.4 Gain & Efficiency	5
5 Antenna parameter.....	5
5.1 VSWR	5
5.1.1 VSWR plot	5
5.1.2 VSWR data	6
5.2 Simth plot	6
5.3 Radiation pattern.....	7
5.3.1 H-plane	7
5.3.2 E-plane	8-10
5.4 UGain & Efficiency	11
6 Environmental treatment suggestions	12
7 Impedance matching	12
8 Antenna plan	13
8.1 Antenna dimensional drawing.....	13



8.2 Coaxial cable length drawing	13
8.3 Connector drawing	13
9 Antenna installation guide.....	14
9.1 Antenna installation instructions.....	14
9.2 Coaxial routing	14
10 Other.....	14

1 Noun explanation

dBi	Decibel relative isotropic antenna
Tx	Transmit frequency
Rx	Receive frequency
TRP	Total Radiated Power
TIS	Total Isotropic Sensitivity
VSWR	Voltage Standing Wave Ratio
GSM	Global Service for Mobile communication
DCS	Digital Communication System
CDMA	Code Division Multiple Access
WCDMA	Wideband Code Division Multiple Access

2 Test equipment

network analyzer
Agilent8960
SATIMO64 chamber

3 Working frequency band

The yellow Identification is the using band

Band	
WIFI (2.4G)	2412MHz~2483MHz

4 Test project

4.1 VSWR plot

4.2 Smith plot

4.3 Radiation pattern

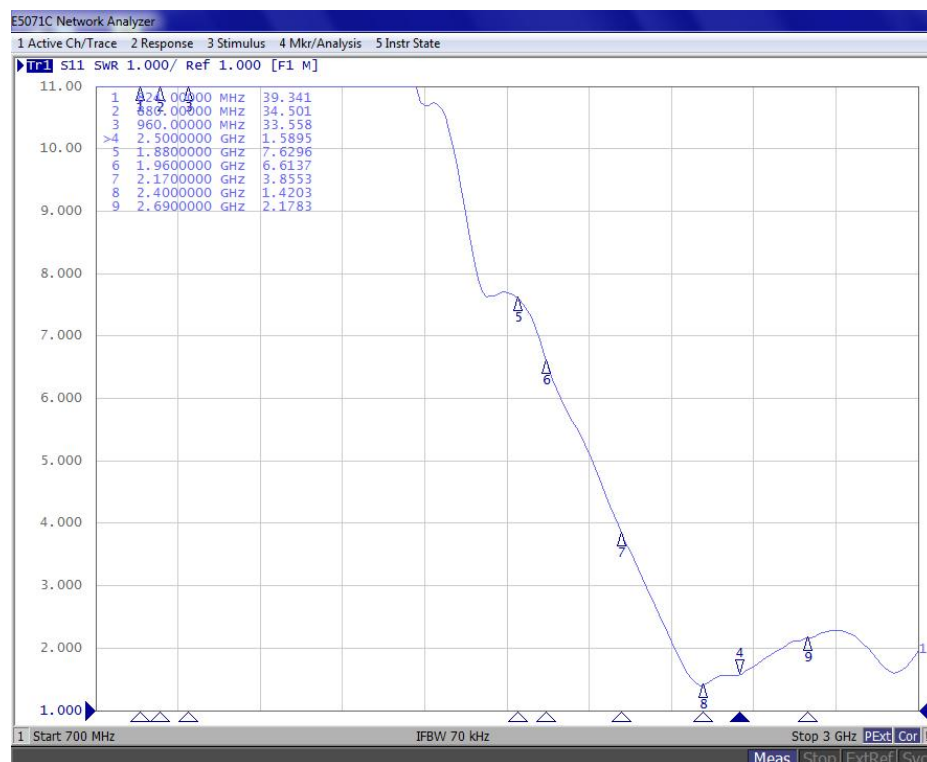
4.4 Gain & Efficiency

4.5 TRP&TIS

5 Antenna parameter

5.1 VSWR

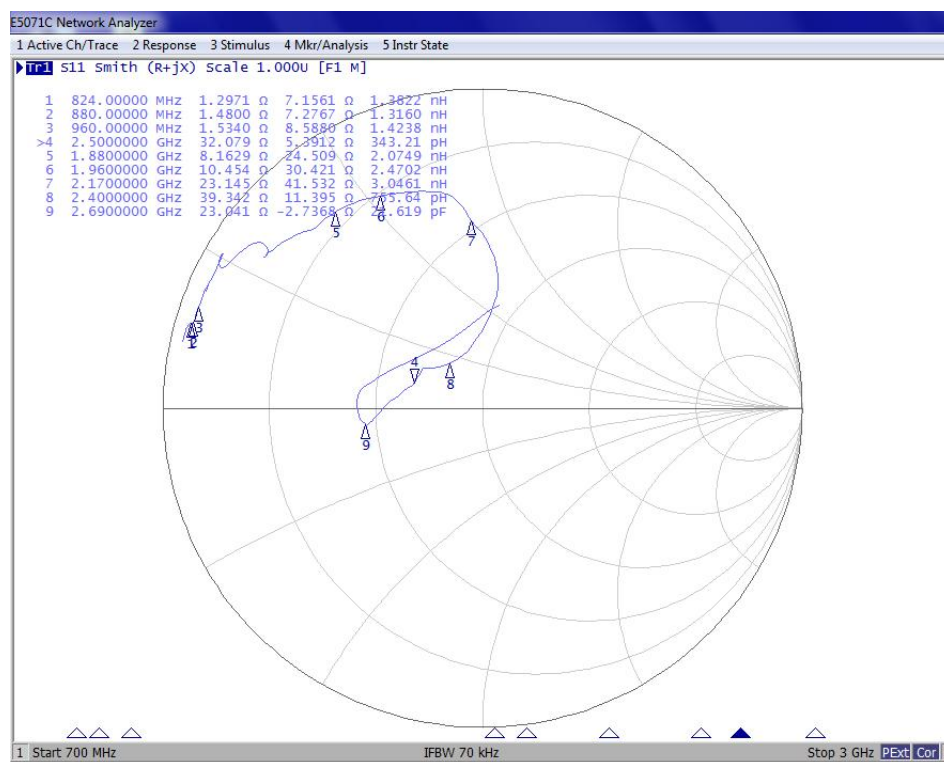
5.1.1 VSWR plot



5.1.2 VSWR data

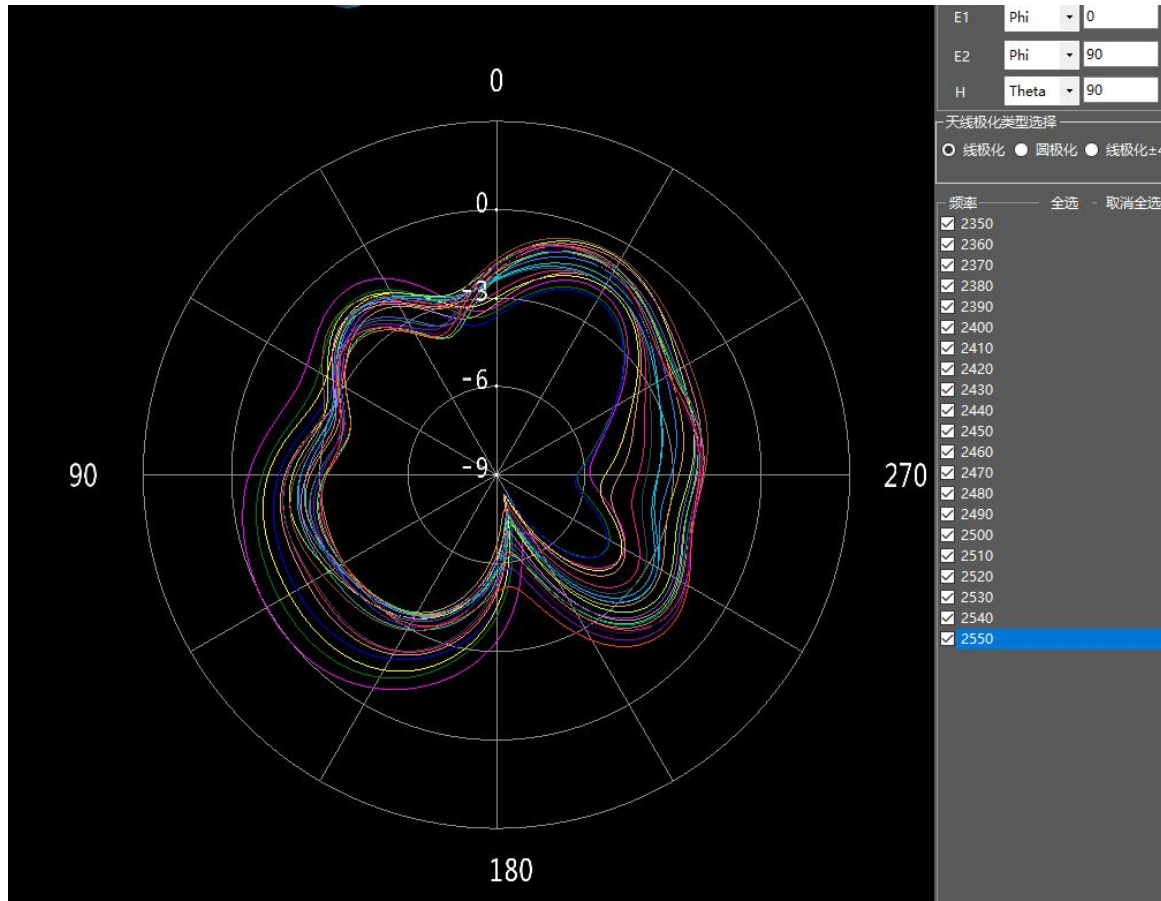
Freq/MHz	2400	2500
VSWR	1.4	1.5

5.2 Smith plot



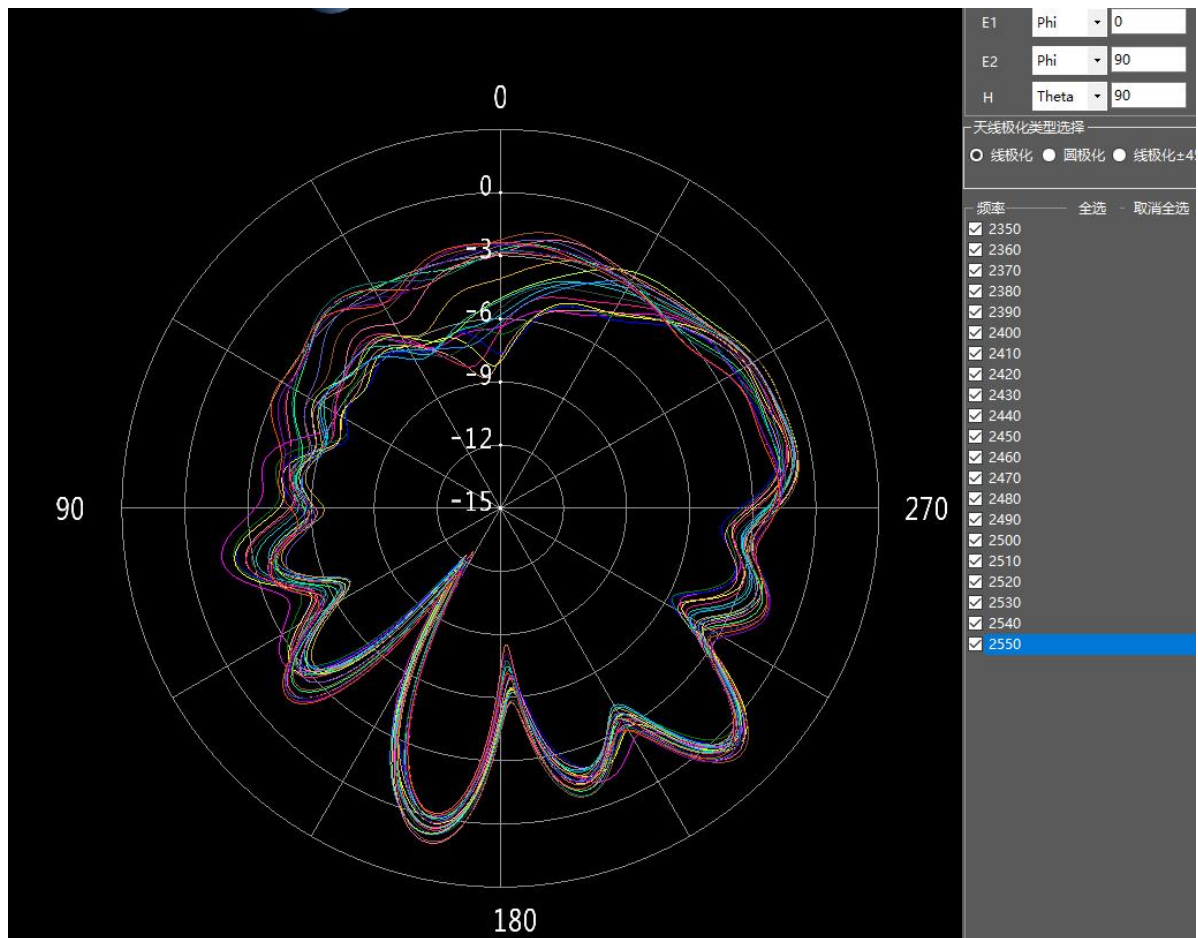
5.3 Radiation pattern

5.3.1 H-plane

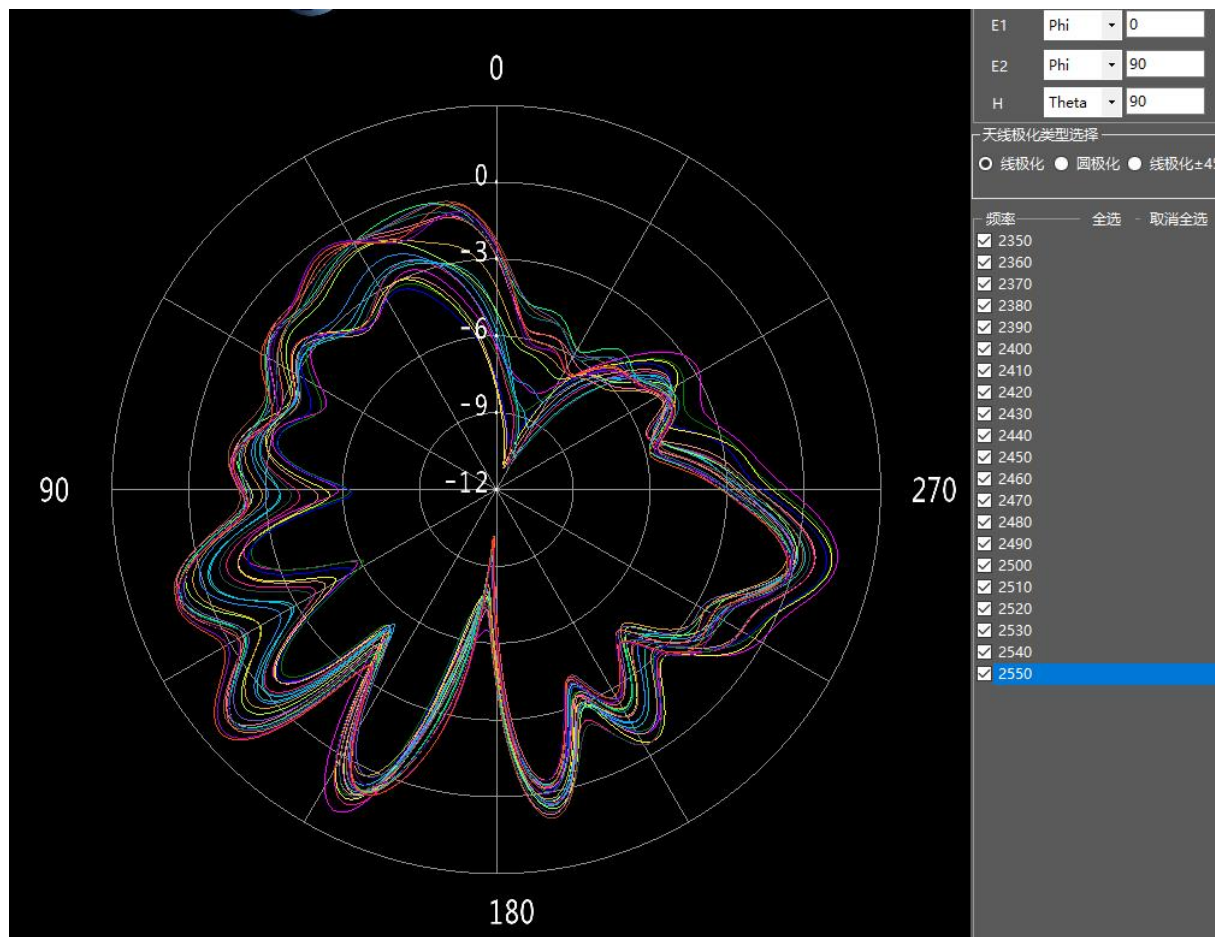


5.3.2 E-plane

E1



E2



5.4 UGain & Efficiency

频率(MHz)	增益(dBi)	效率(%)
2350	2.09	56.76
2370	1.44	50.93
2390	1.25	51.13
2400	1.74	54.60
2420	1.08	54.33
2450	1.36	58.65
2480	1.94	63.92
2500	1.70	59.85
2520	1.91	59.95
2550	2.39	62.31

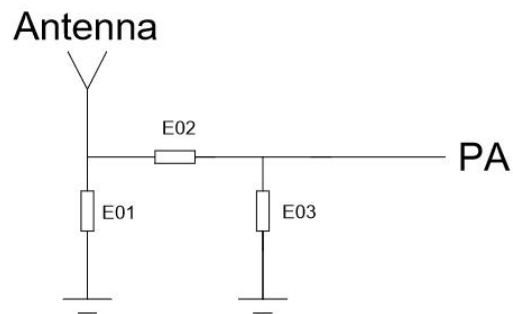
<u>WIFI</u>	<u>TRP</u>		<u>TIS</u>	
	UL_Channel		DL_Channel	
<u>11b</u>	1	16.01	1	-77.24
	6	15.83	6	-81.43
	11	15.41	11	-81.52

6 Environmental treatment suggestions

Environment does not need treatment

7 Impedance matching

E01	E02	E03
NC	1.2nH	2nH



8 Antenna plan

Technical drawing of an antenna with dimensions and a table of specifications.

Dimensions:

- Top view: 13.10±0.3, 9.15±0.3, 14.00±0.3, 3.00±0.5, 10.30±0.3, 2.80±0.3
- Side view: 1.50±0.1, 1.20±0.1, 1.50±0.1
- Thickness: T=0.4±0.1

Notes:

1. no bad appearance
2. with * size for the key size.
3. of all related materials and processing technology to meet the requirements of ROHS.

PROJECTION		Name : Antenna	Design: Steven
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN mm GENERAL TOLERANCE:		Model NO: 26B007A-41	Checked :
		Edition: 1:A	Approved :
		Material:	Unit: mm
		Surface Treatment:	Scale : 1:1
		Color :	Date : 2022.02.24

9 Antenna installation guide

9.1 Antenna installation instructions

9.2



10 Other(manner of packing)

[illegible]