

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.

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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

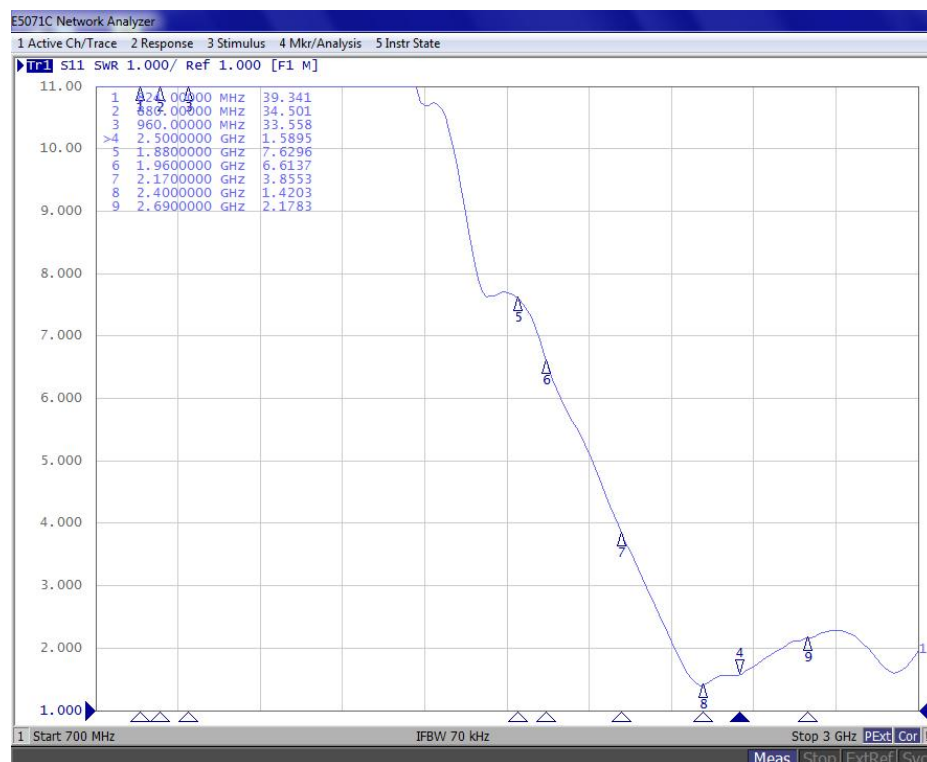
4.4 Gain & Efficiency

4.5 TRP&TIS

5 Antenna parameter

5.1 VSWR

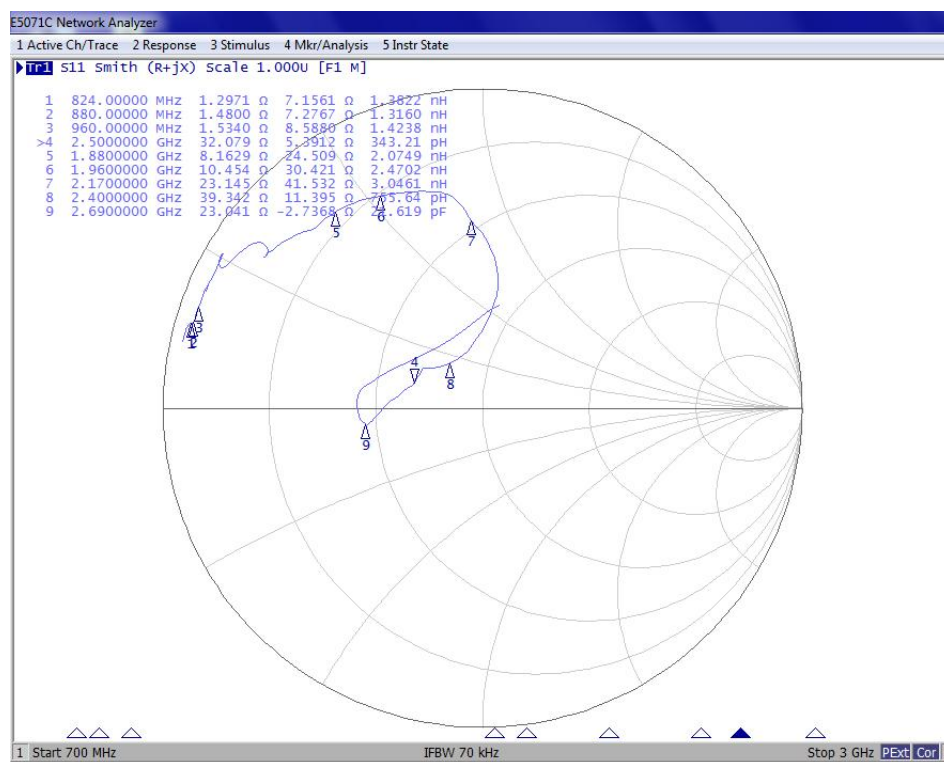
5.1.1 VSWR plot



5.1.2 VSWR data

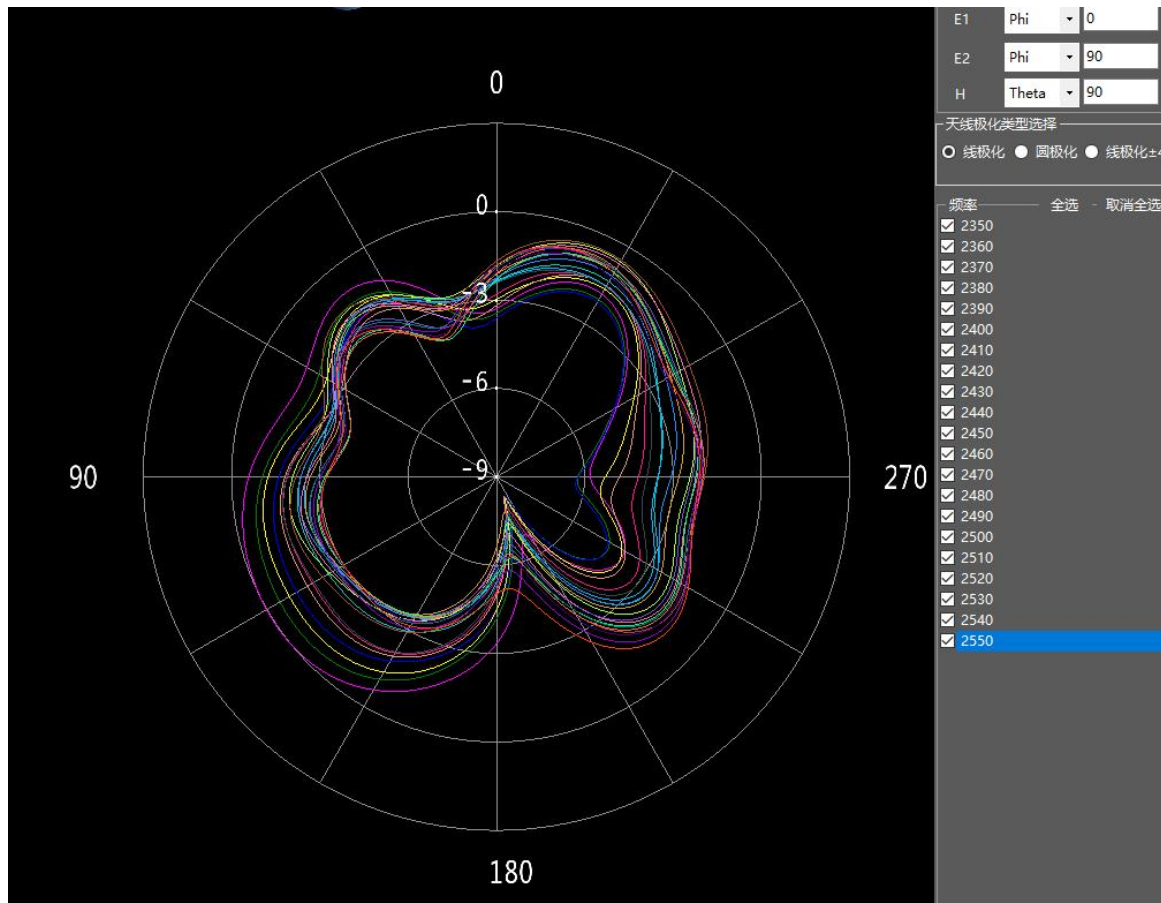
Freq/MHz	2400	2500
VSWR	1.4	1.5

5.2 Smith plot



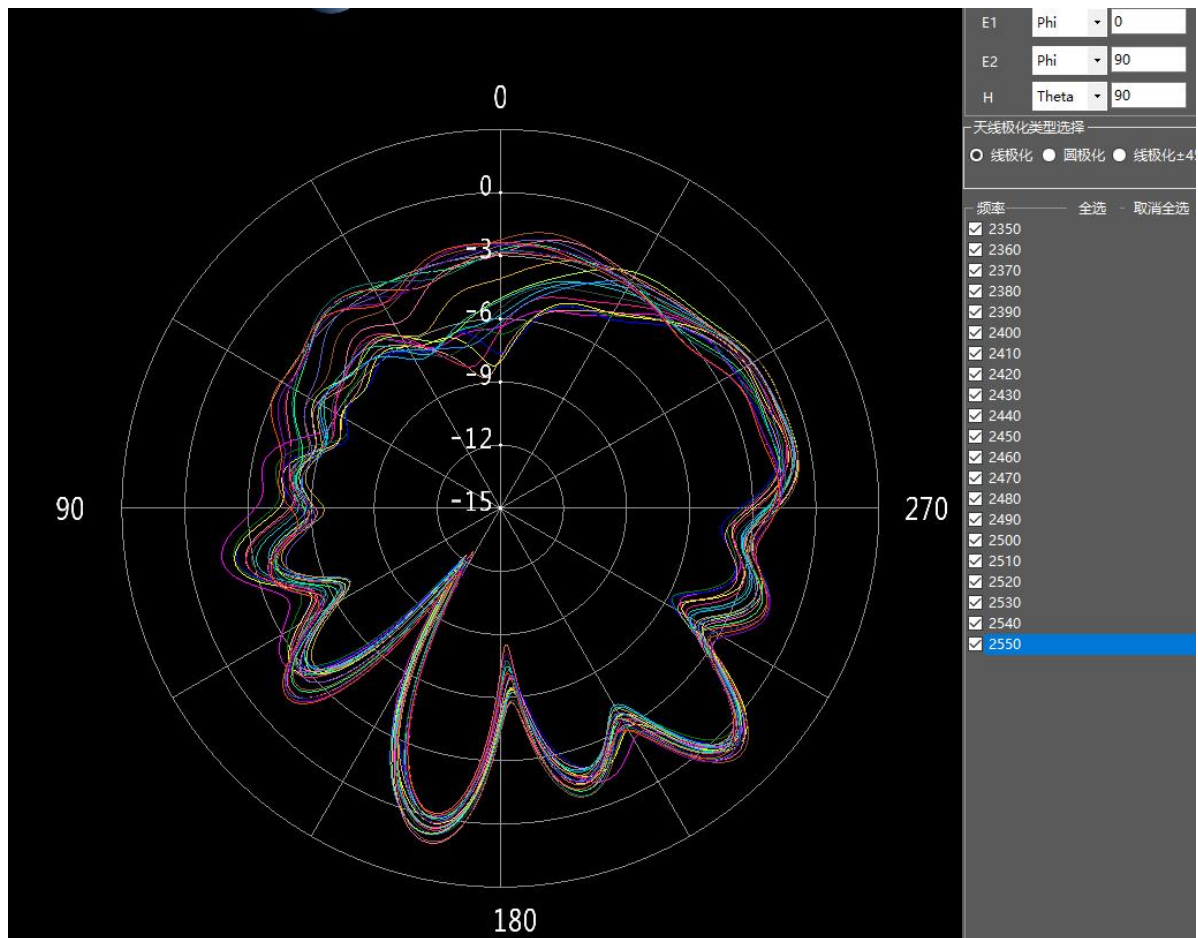
5.3 Radiation pattern

5.3.1 H-plane

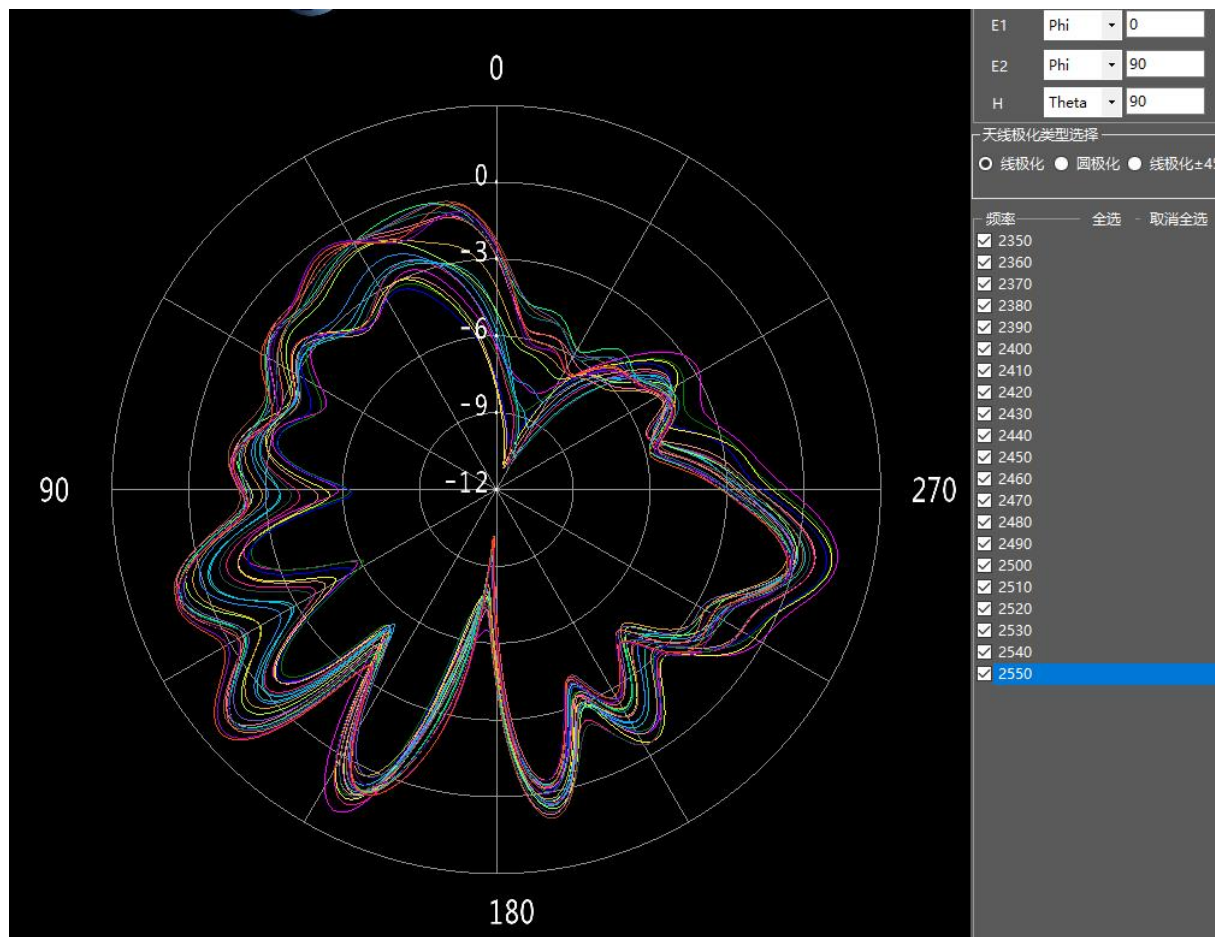


5.3.2 E-plane

E1



E2



5.4 UGain & Efficiency

Frequency(MHz)	Gain(dBi)	efficiency(%)
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

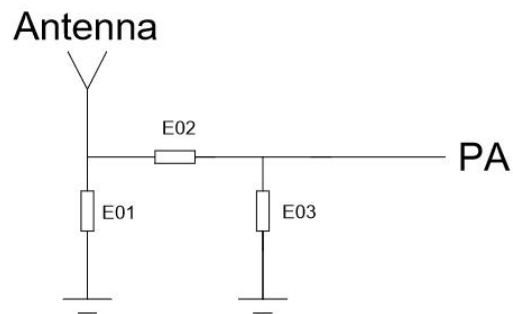
<u>WIFI</u>	<u>TRP</u>		<u>TIS</u>	
	UL_Channel		DL_Channel	
<u>11b</u>	1	16.01	1	-77.24
	6	15.83	6	-81.43
	11	15.41	11	-81.52

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 3D model.

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
- Thickness: T=0.4±0.1

Labels:

- GND
- feed point

3D Model:

Notes:

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

9 Antenna installation guide

9.1 Antenna installation instructions

9.2



10 Other(manner of packing)

	A	B	C	D	E	F	G	H	I	J	K																																				
	0	1	2	3	4	5	6	7	8	9																																					
640pcs/tray 17 pallets in a box																																															
Technical requirements: 1. 640pcs/tray, 10880pcs/case. 2. Packing boxes shall be sealed with PP adhesive tape into H-shaped necessary instructions.																																															
<table border="1"> <thead> <tr> <th colspan="2">PROJECTION</th> <th colspan="2">Name : Antenna</th> <th colspan="2">Design: Steven</th> </tr> </thead> <tbody> <tr> <td colspan="2">UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN mm GENERAL TOLERANCE: X ±0.3 .XX ±0.20 ANGULAR Δ ±0.5°</td> <td colspan="2">Model No.: 26B007A-90</td> <td colspan="2">Checked :</td> </tr> <tr> <td colspan="2"></td> <td colspan="2">Edition: T:A</td> <td colspan="2">Approved :</td> </tr> <tr> <td colspan="2"></td> <td colspan="2">Material:</td> <td colspan="2">Unit: mm</td> </tr> <tr> <td colspan="2"></td> <td colspan="2">Surface Treatment:</td> <td colspan="2">Scale : 1:1</td> </tr> <tr> <td colspan="2"></td> <td colspan="2">Color :</td> <td colspan="2">Date : 2022.02.24</td> </tr> </tbody> </table>												PROJECTION		Name : Antenna		Design: Steven		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN mm GENERAL TOLERANCE: X ±0.3 .XX ±0.20 ANGULAR Δ ±0.5°		Model No.: 26B007A-90		Checked :				Edition: T:A		Approved :				Material:		Unit: mm				Surface Treatment:		Scale : 1:1				Color :		Date : 2022.02.24	
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