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	

P lea se ret urn 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

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 Simth plot

4.3 Radiation pattern

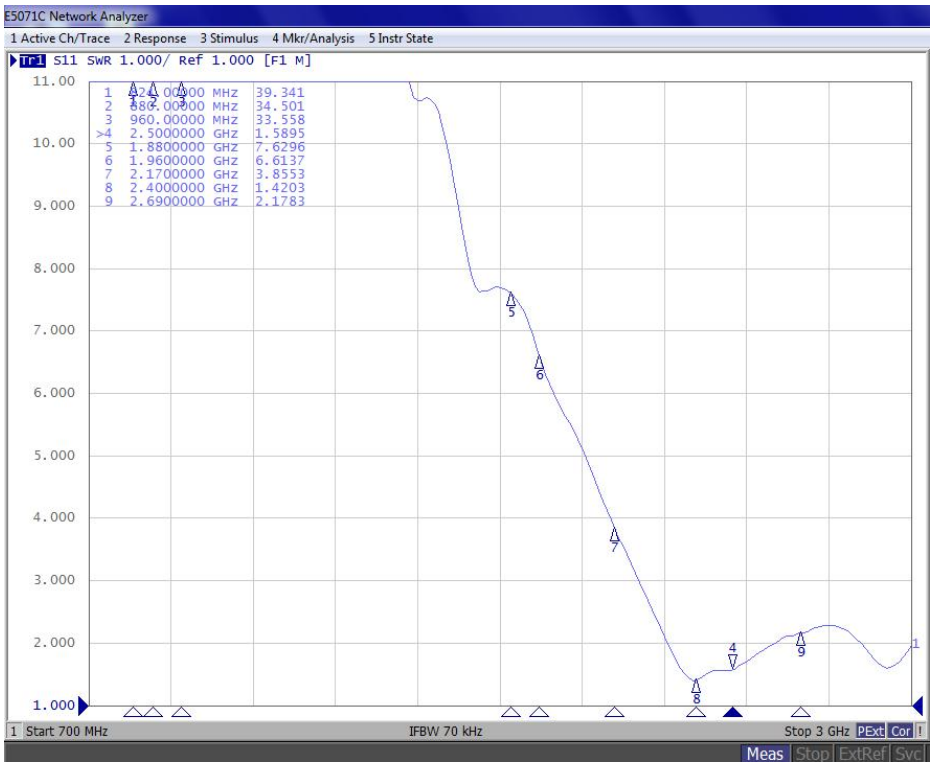
4.4 Gain & Efficiency

4.5 TRP&TIS

5 Antenna parameter

5.1 VSWR

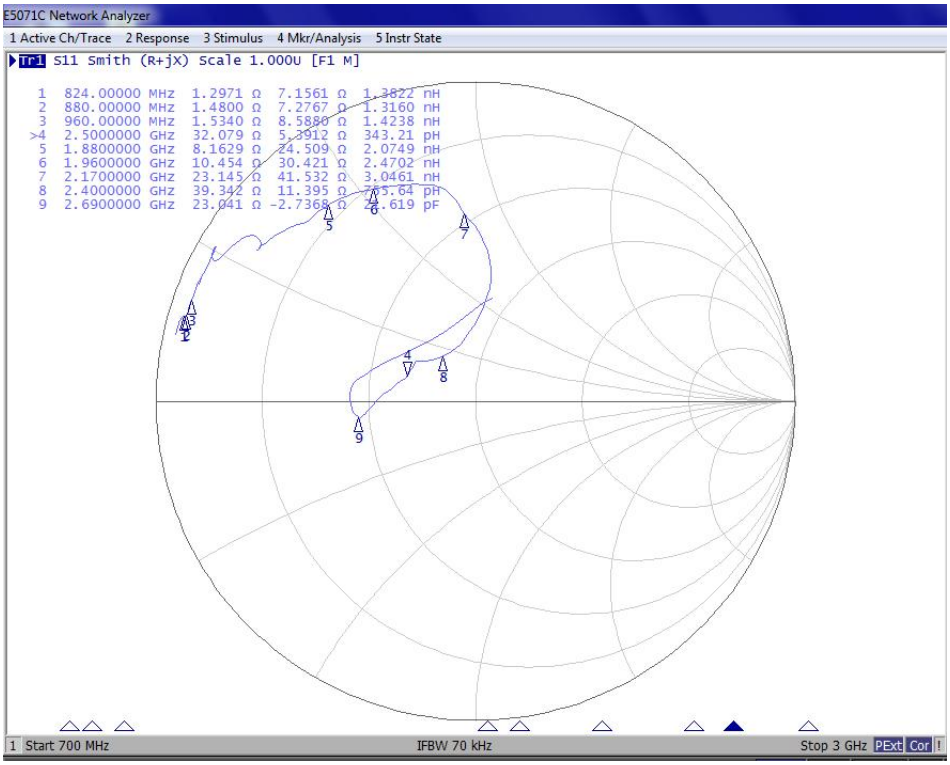
5.1.1 VSWR plot



5.1.2 VSWR data

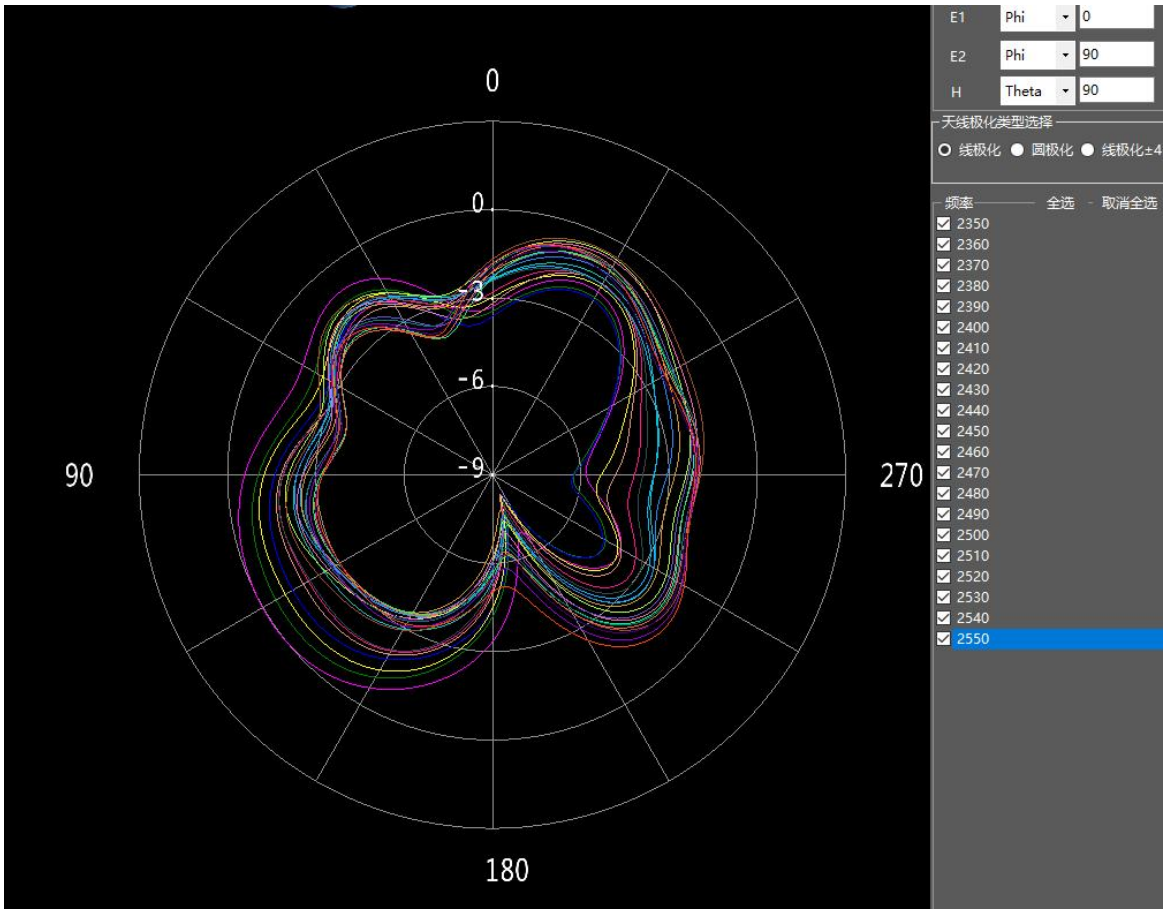
Freq/MHz	2400	2500
VSWR	1.4	1.5

5.2 Simth plot



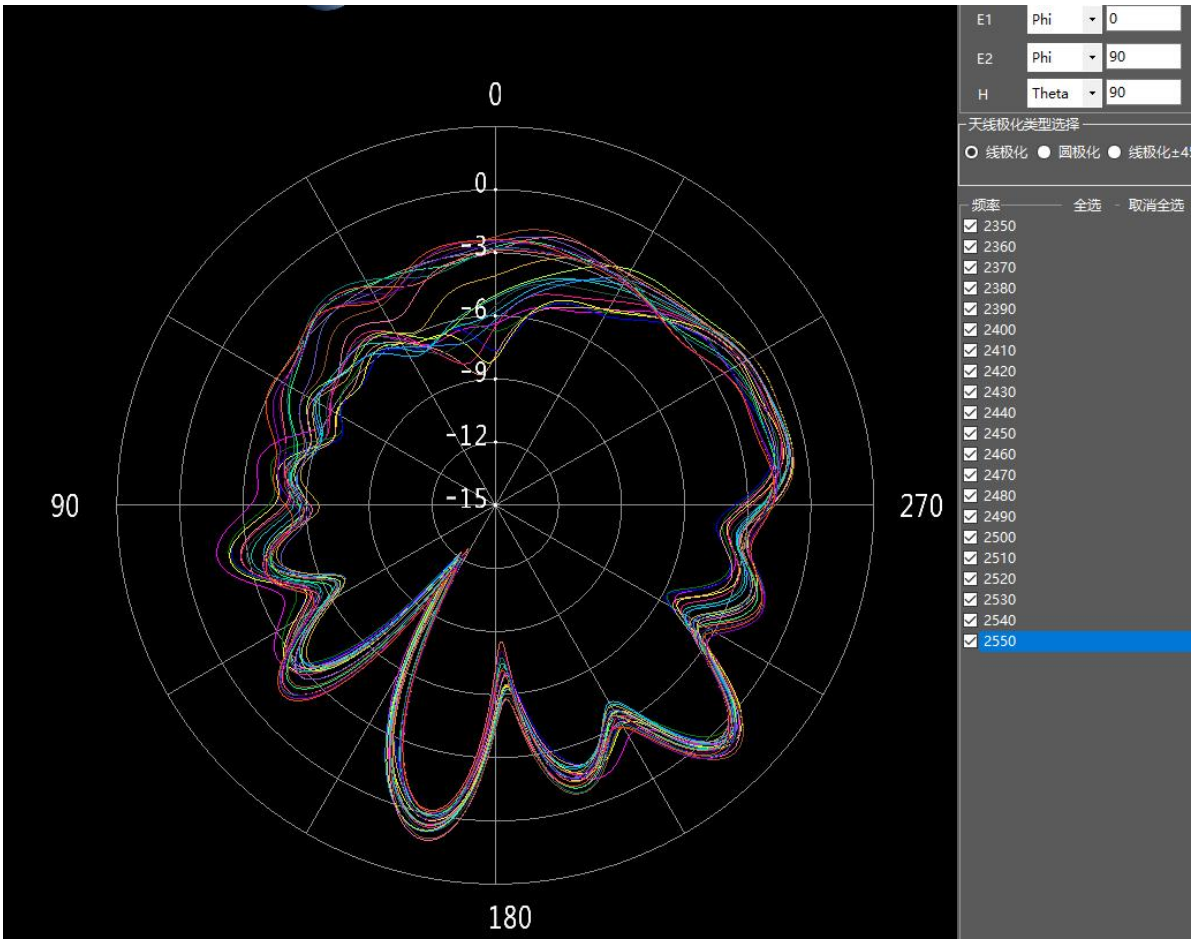
5.3 Radiation pattern

5.3.1 H-plane

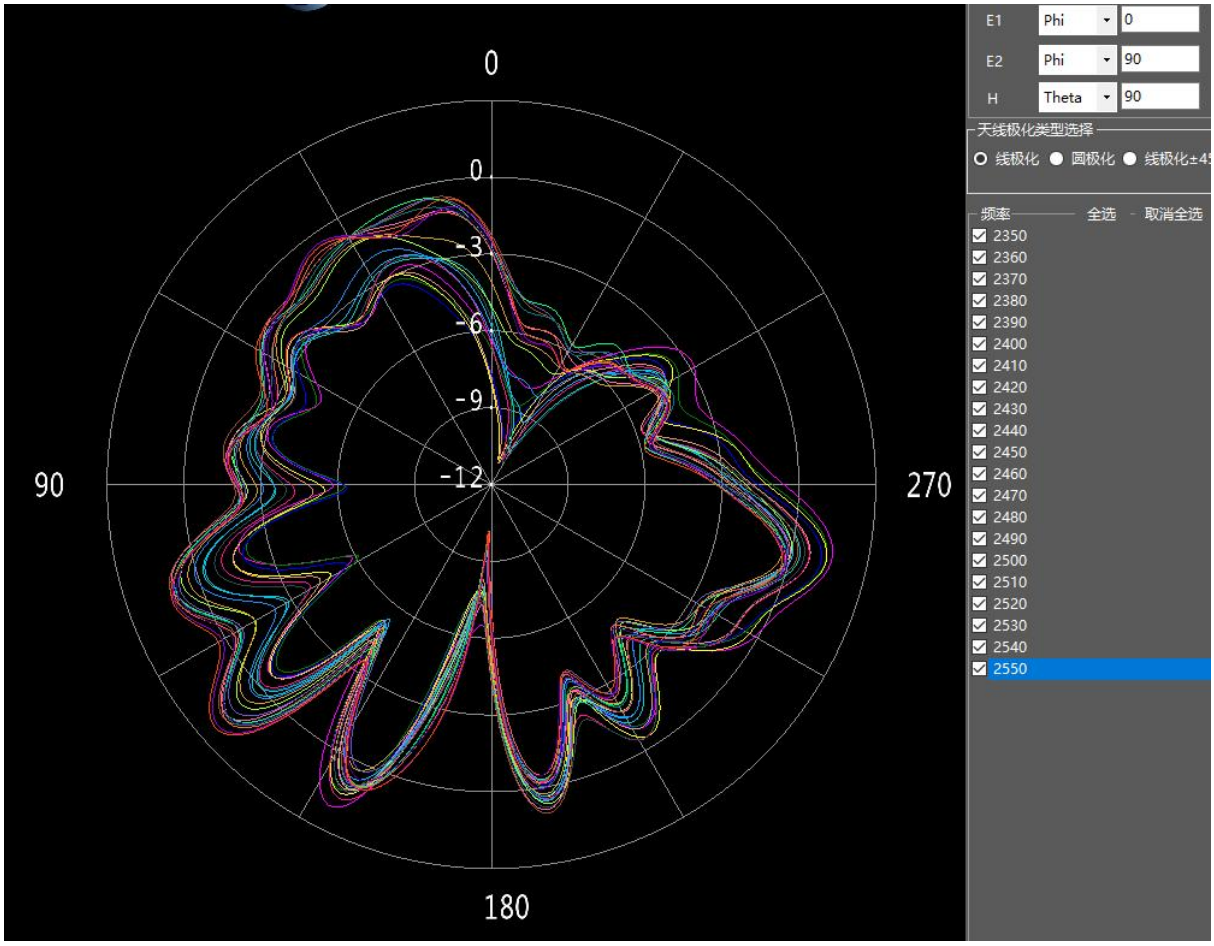


5.3.2 E-plane

E1



E2


0
0
-3
-6
-9
-12
90
270
180
E1
Phi
0
E2
Phi
90
H
Theta
90
天线极化类型选择
线极化
圆极化
频率
全选
取消全选
2350
2360
2370
2380
2390
2400
2410
2420
2430
2440
2450
2460
2470
2480
2490
2500
2510
2520
2530
2540
2550

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

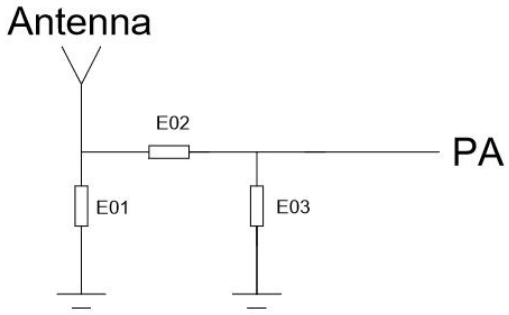
WIFI	***TRP***		***TIS***	
	UL_Channel		**DL_Channel**	
11b	**1**	**16.01**	**1**	**-77.24**
	6	**15.83**	**6**	**-81.43**
	11	**15.41**	**11**	**-81.52**

6 Environmental treatment suggestions

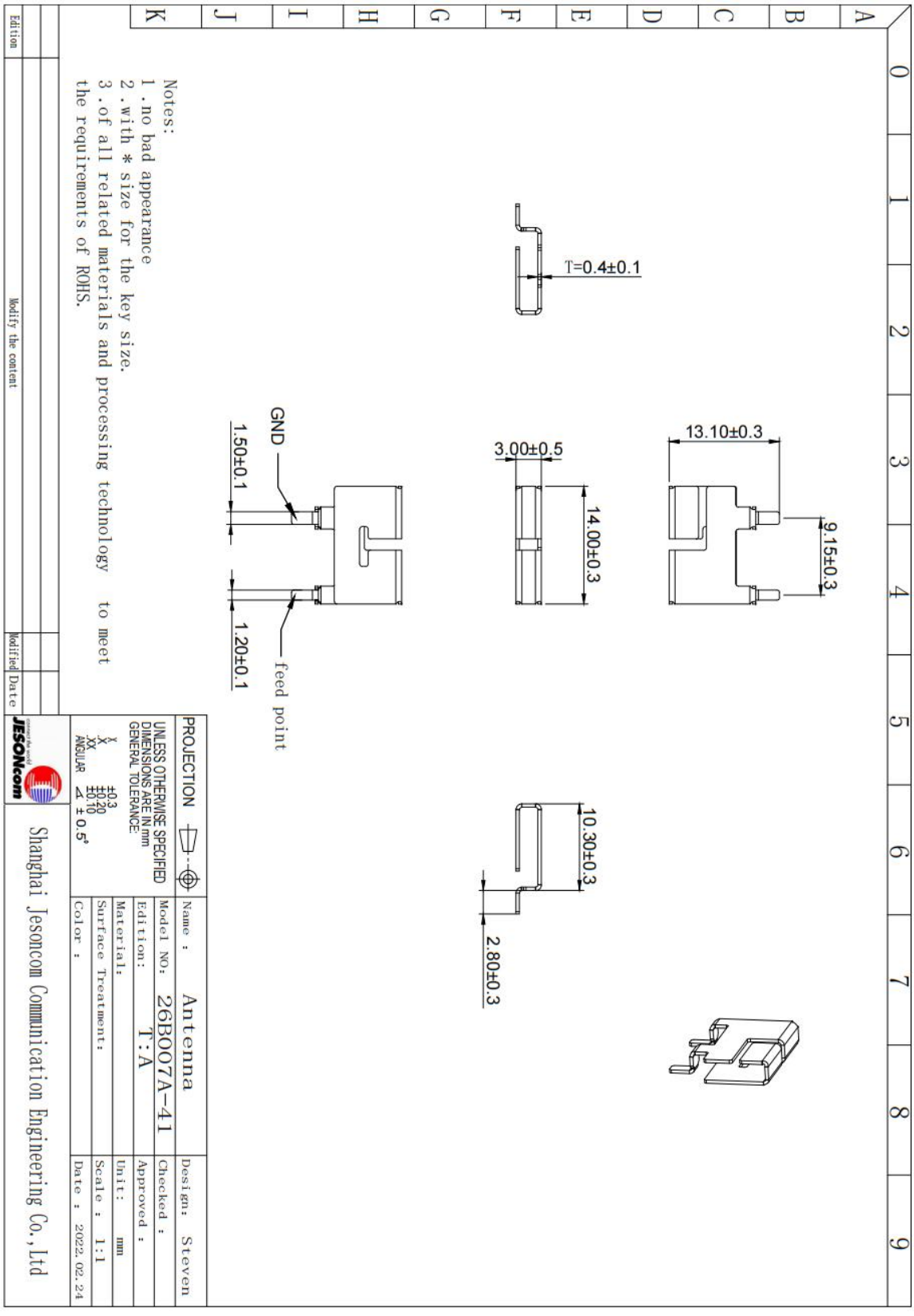
Environment does not need treatment

7 Impedance matching

E01	E02	E03
NC	1.2nH	2nH



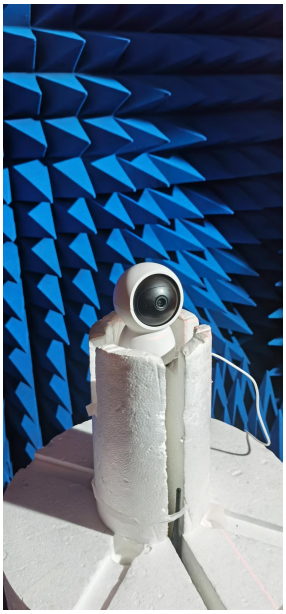
8 Antenna plan



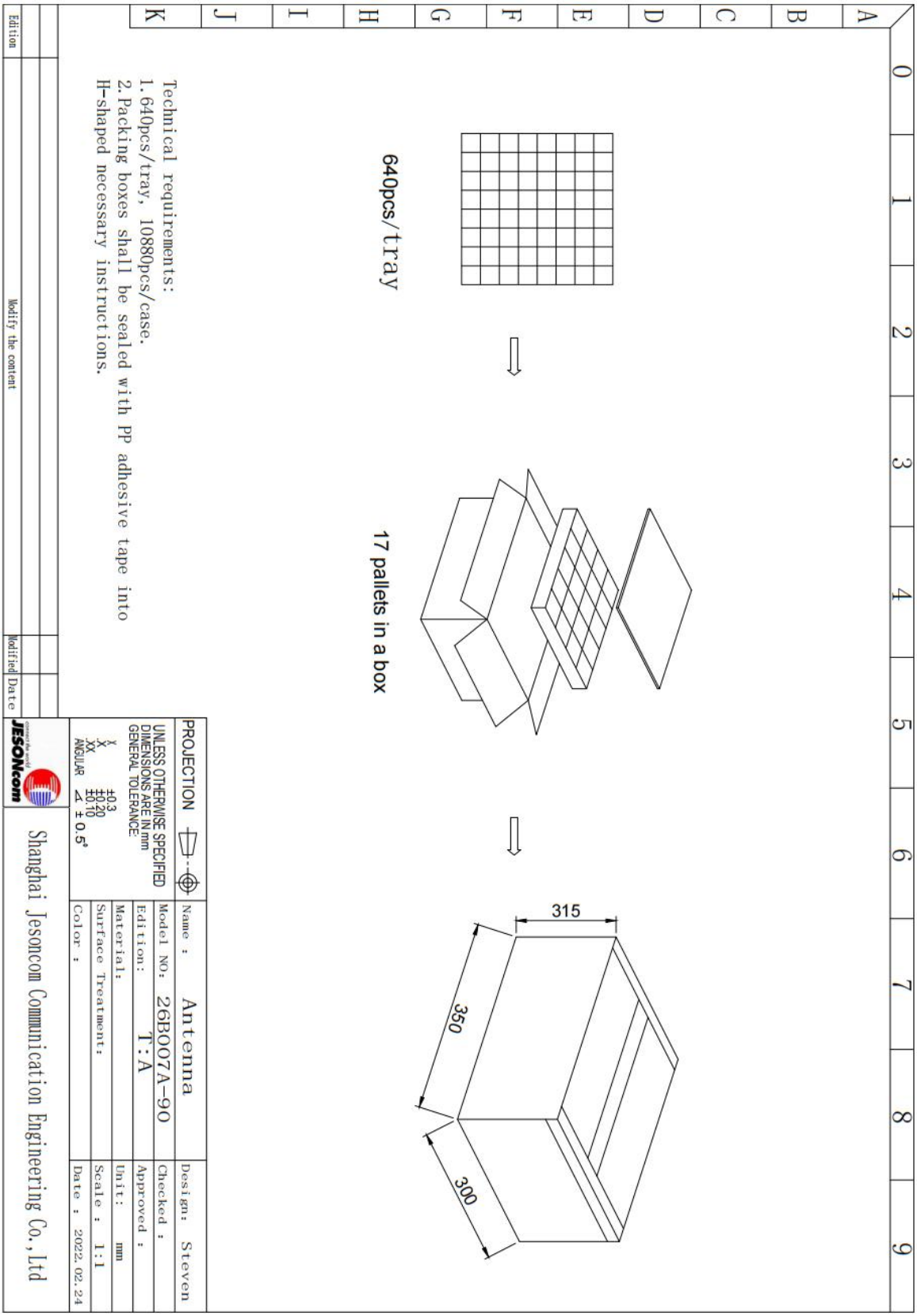
9 Antenna installation guide

9.1 Antenna installation instructions

9.2



10 Other(manner of packing)



APPROVAL SHEET

CUSTOMER NAME	823
CUSTOMER P/N	
PART NAME	433MHz FPC built-in antenna, (For bell 22S models)
P/ N	YJC-6N030-B15
APPROVAL REV.	A1
DELIVERY DATE	2021 年 02 月 25 日
PREPARED BY	Huang Teng
CHECKED BY	Wu Longfei
APPROVED BY	

Customer Approved		
Approved By	Checked By	Prepared By

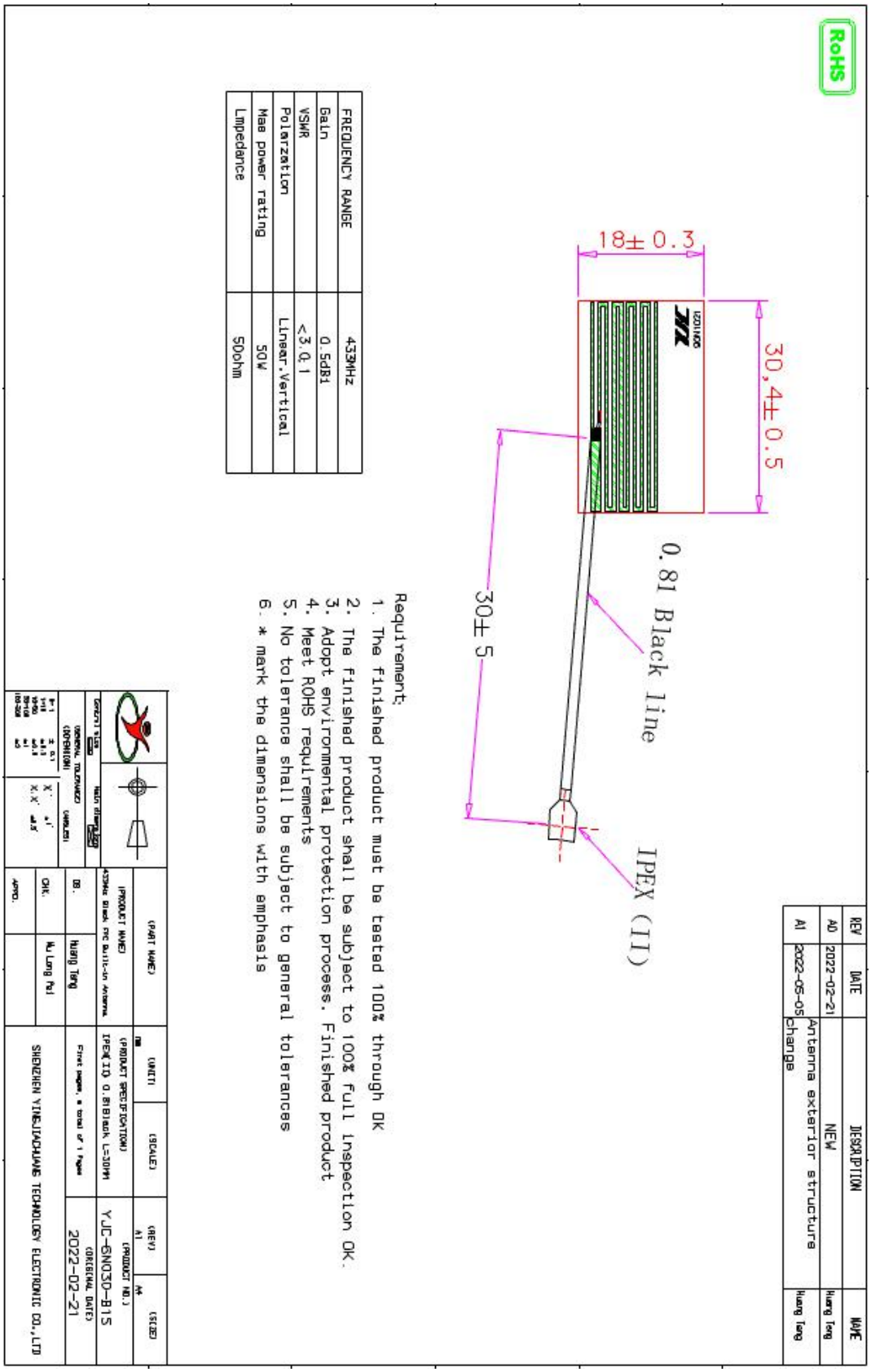
Contact Information (factory) :
Company address: building A.C, guangming valley, hongyu guangming valley, no. 11, jiangyou magang, shiwei community, matantian office, guangming district, shenzhen
Hangzhou Office: 212, Building B, Dahua Jianghong International Innovation Park, No. 369, Internet of Things Street, Binjiang District, Hangzhou
Phone + 86-755-27810060/23192199; Fax: + 86-0755-27810057
Company website: http://www.szsyjc.com E-mail: yjc@szsyjc.com

Directory

Resumer:

Version	Change contents and reasons	Date	Issue
A0	NEW	February 25, 2022	
A/1	Antenna exterior structure change	May 5,2022	

The antenna's floor plan：



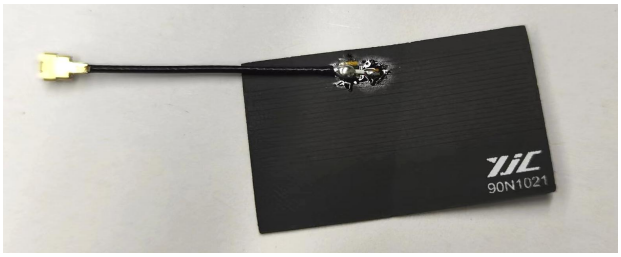
Antenna technical parameters and environmental testing:

Electrical parameters of electrical apparatus			
Electrical Specifications		Mechanical Specifications	
Frequency Range	433MHz	Cable Color	Black
VSWR	＜3.0	Input connector	IPE（II）
Input Impedance	50 Ω	Cable length	30mm
Direction	All	Working Temperature	-20℃~+70℃
Gain	0.5 dBi	Working Humidity	20%~80%

Environmental performance test:

project	test condition	standard
Storage Conditions	In the absence of specified test temperature, humidity, air pressure is as follows: 1. Temperature is - 20 ℃ ~ + 70 ℃ 2. Relative humidity of 45% to 45% 3. Air pressure is 86 kpa to 106 kpa	Electrical and mechanical properties is normal
high and low temperature test	Between 70 ℃ and -20 ℃ for 5 loops, then 1-2 h under normal conditions, check the appearance quality.	Size should meet the requirements and should satisfy the content with the electrical and mechanical properties
Constant damp and hot resistance test	95 + / - 3% relative humidity, temperature test: 40 ℃. Lasts 2 h after, try to take out the determination of electrical properties, within 5 min after try 1-2 h under article normal thing, check the appearance quality	Size should meet the requirements and should satisfy the content with the electrical and mechanical properties
vibration test	10-55 hz, vibration frequency range of displacement amplitude: 0.35 MM, acceleration amplitude: 50.0 M/S, sweep cycles: 30 times	Electrical and mechanical properties is normal
fall down test	1 m high altitude in accordance with the perpendicular axis free drop 3 times	Electrical and mechanical properties is normal

Physical picture of antenna and attach location picture:



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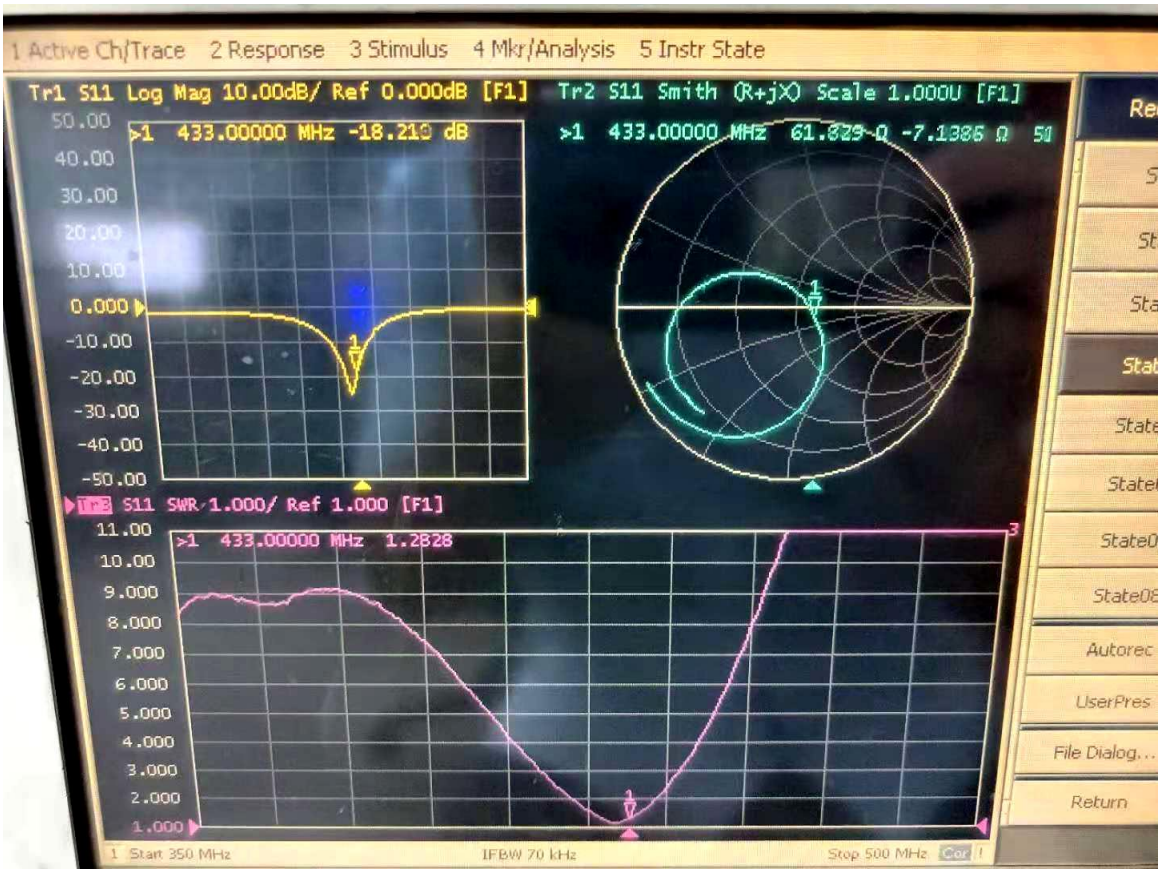
Antenna performance test chart:



Material RoHS conformity declaration form

This is to certify that the delivery to your company's components, raw materials, auxiliary materials used and the additives in the production engineering are accord with RoHS environmental requirements of the restrictions on the use of hazardous substances directive (RoHS directive 2011/65 / EU)

About components used raw materials, packaging materials, auxiliary materials and additives used in the production process such as composition of the report is as follows:

Component /Part Name	Material Composition	ICP report #	Test Org.	Test Date	Content of harmful substances (ppm)						PASS?
					Cd	Pb	Hg	Cr^{6+}	PBB	PBDE	PASS
FPC	FPC	WTH21H06062745C-1	WALTEK	21/07/03	ND	ND	ND	ND	ND	ND	PASS
IPEX	copper	A2210394436101002	CTI	21/09/27	ND	ND	ND	ND	ND	ND	PASS
	Gold	A2210394436101001	CTI	21/09/27	ND	ND	ND	ND	ND	ND	PASS
wire stock	RG/RF Series Coaxial Cables	CANEC2202366903	SGS	22/02/28	ND	10	ND	ND	ND	ND	PASS