



# SPECIFICATION FOR APPROVAL

**CUSTOMER/PROJECT:** \_\_\_\_\_

**CUSTOMER P.N.:** \_\_\_\_\_

**PRODUCT NAME:** 868&915 ANT

**MODEL NO.:** 26B010A-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	uplink	downlink
GSM800	824MHz~896MHz	824MHz~896MHz
GSM900	890MHz~915MHz	935MHz~960MHz
DCS1800	1710MHz~1785MHz	1805MHz~1880MHz
PCS1900	1850MHz~1910MHz	1930MHz~1990MHz
CDMA800	825MHz~835MHz	870MHz~880 MHz
WCDMA900	880MHz~915MHz	925MHz~960MHz
WCDMA2100	1920MHz~1980MHz	2110MHz~2170MHz
NB-B5	824MHz~896MHz	824MHz~896MHz
NB-B8	890MHz~915MHz	935MHz~960MHz
868M-915M	868M-915M	

## 4 Test project

### 4.1 VSWR plot

4.2 Smith plot

4.3 Radiation pattern

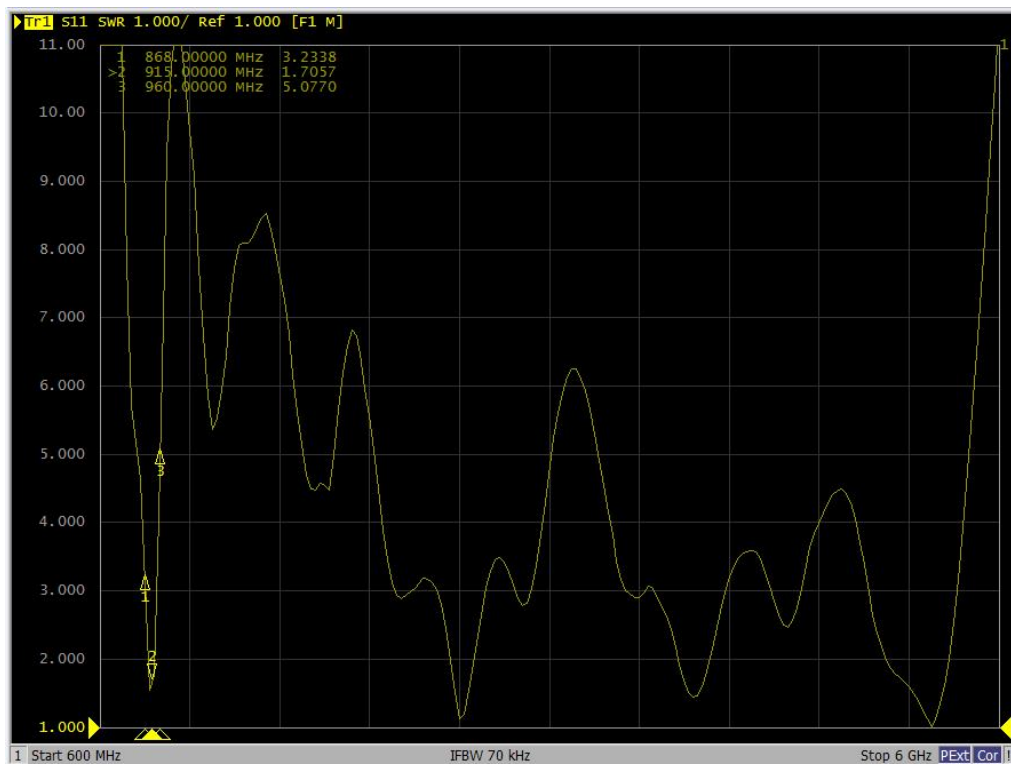
4.4 Gain & Efficiency

4.5 TRP&TIS

## 5 Antenna parameter

5.1 VSWR

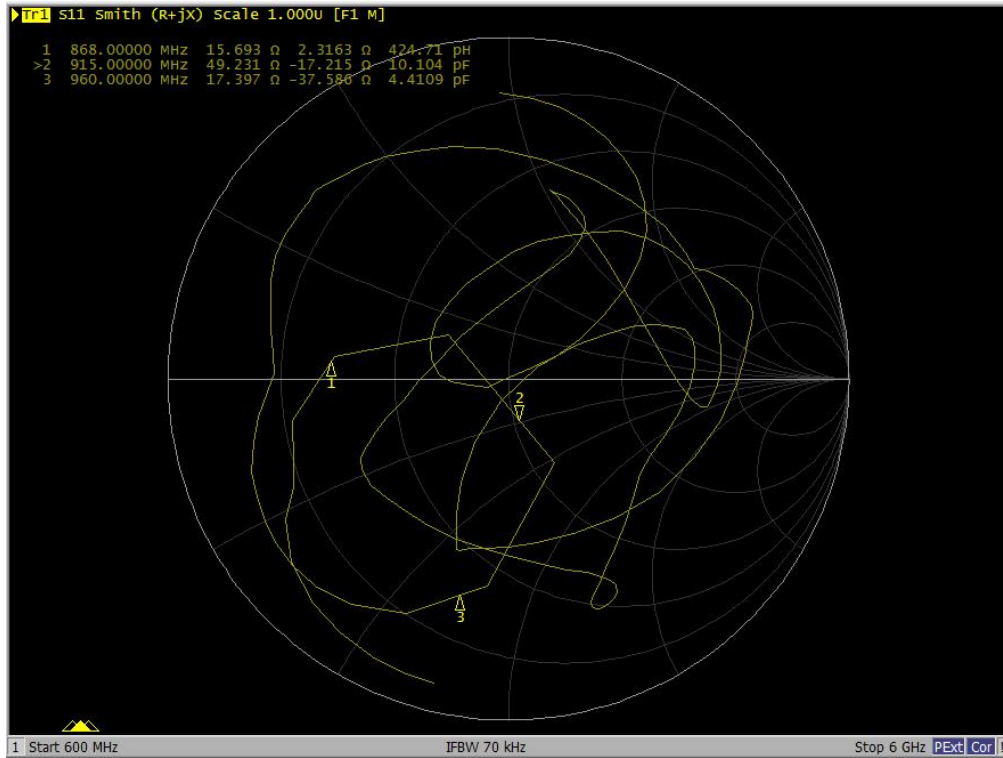
5.1.1 VSWR plot



5.1.2 VSWR data

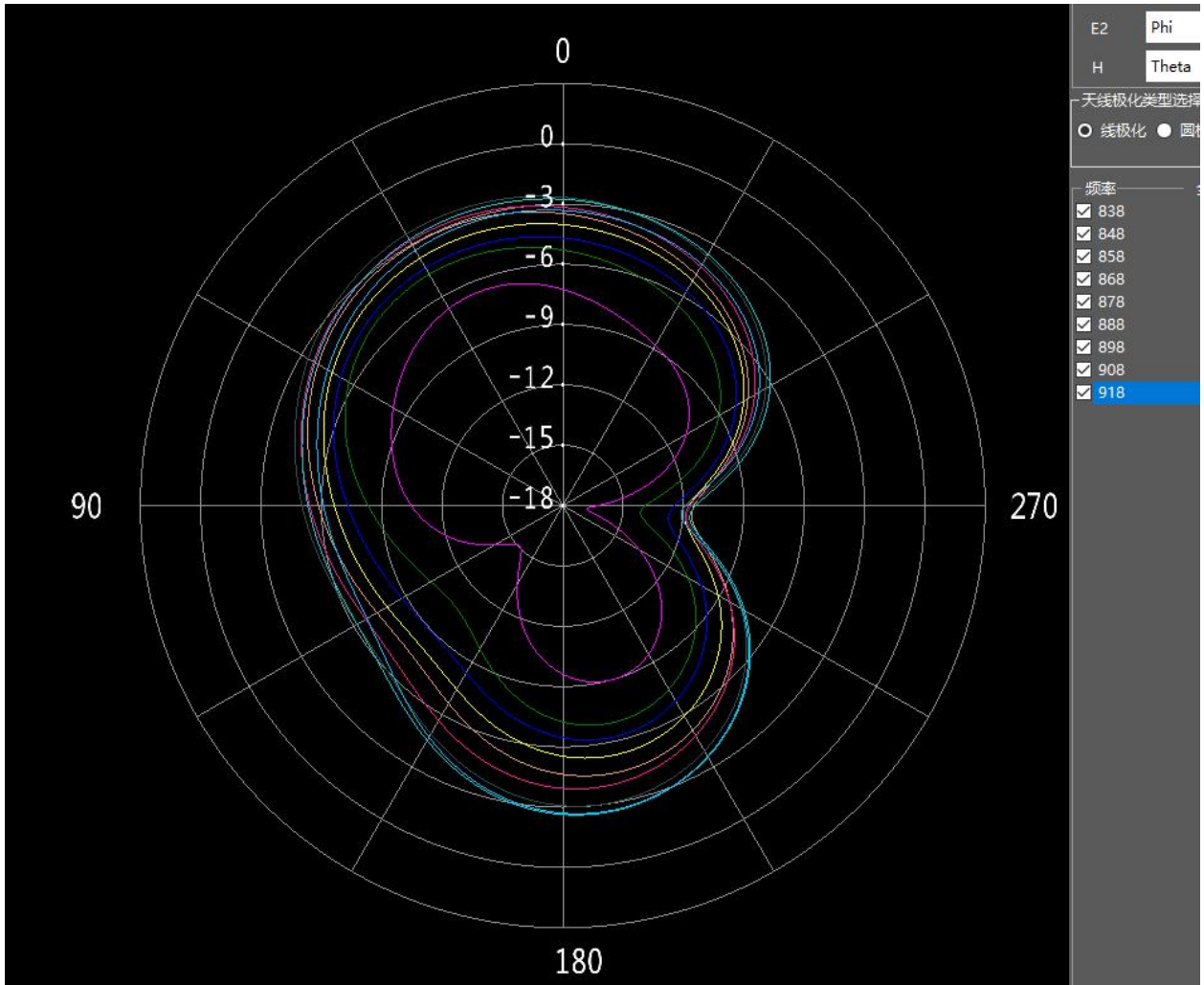
Freq/MHz	868	915
VSWR	3.2	1.7

## 5.2 Smith plot



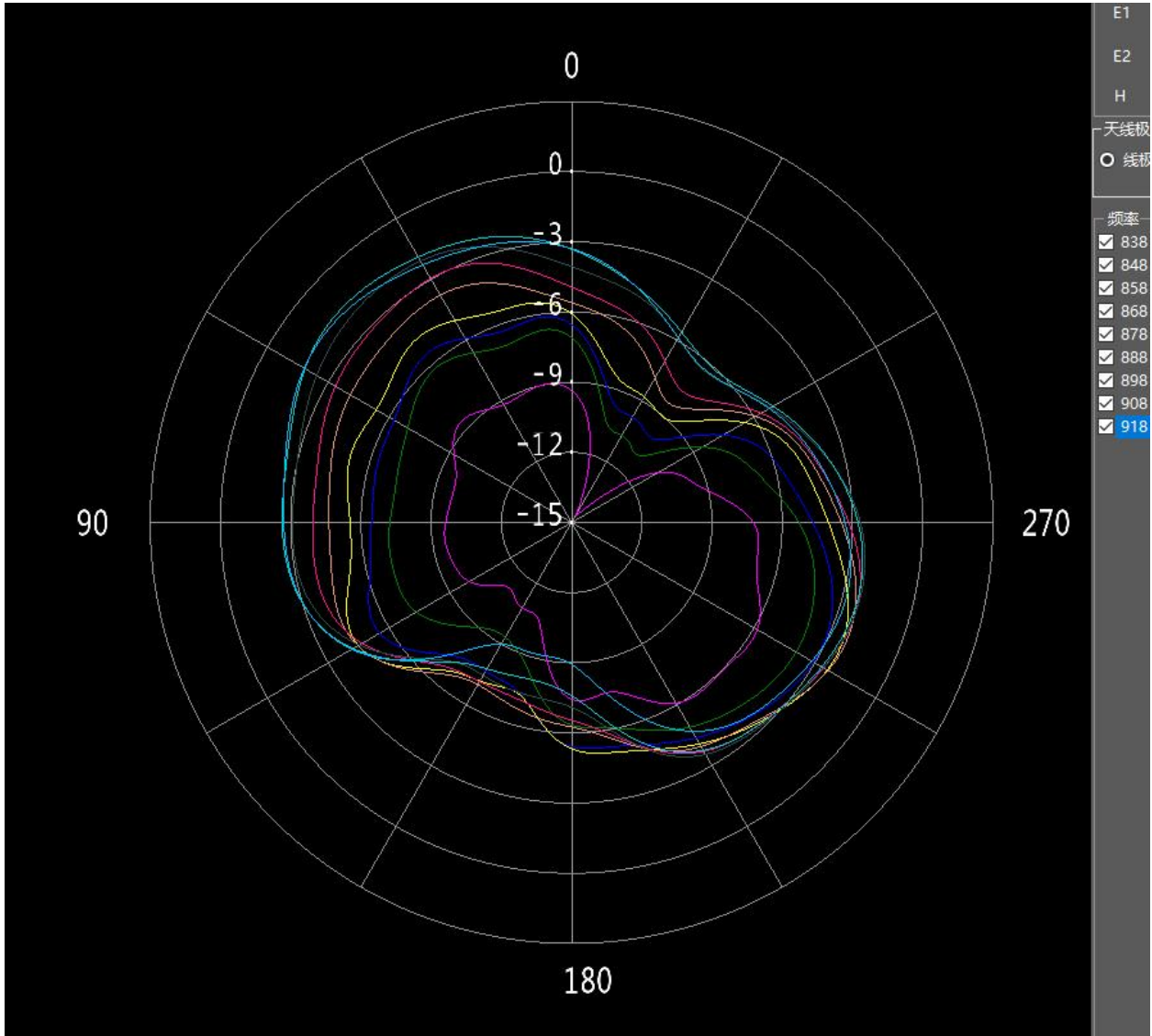
## 5.3 Radiation pattern

5.3.1 H-plane



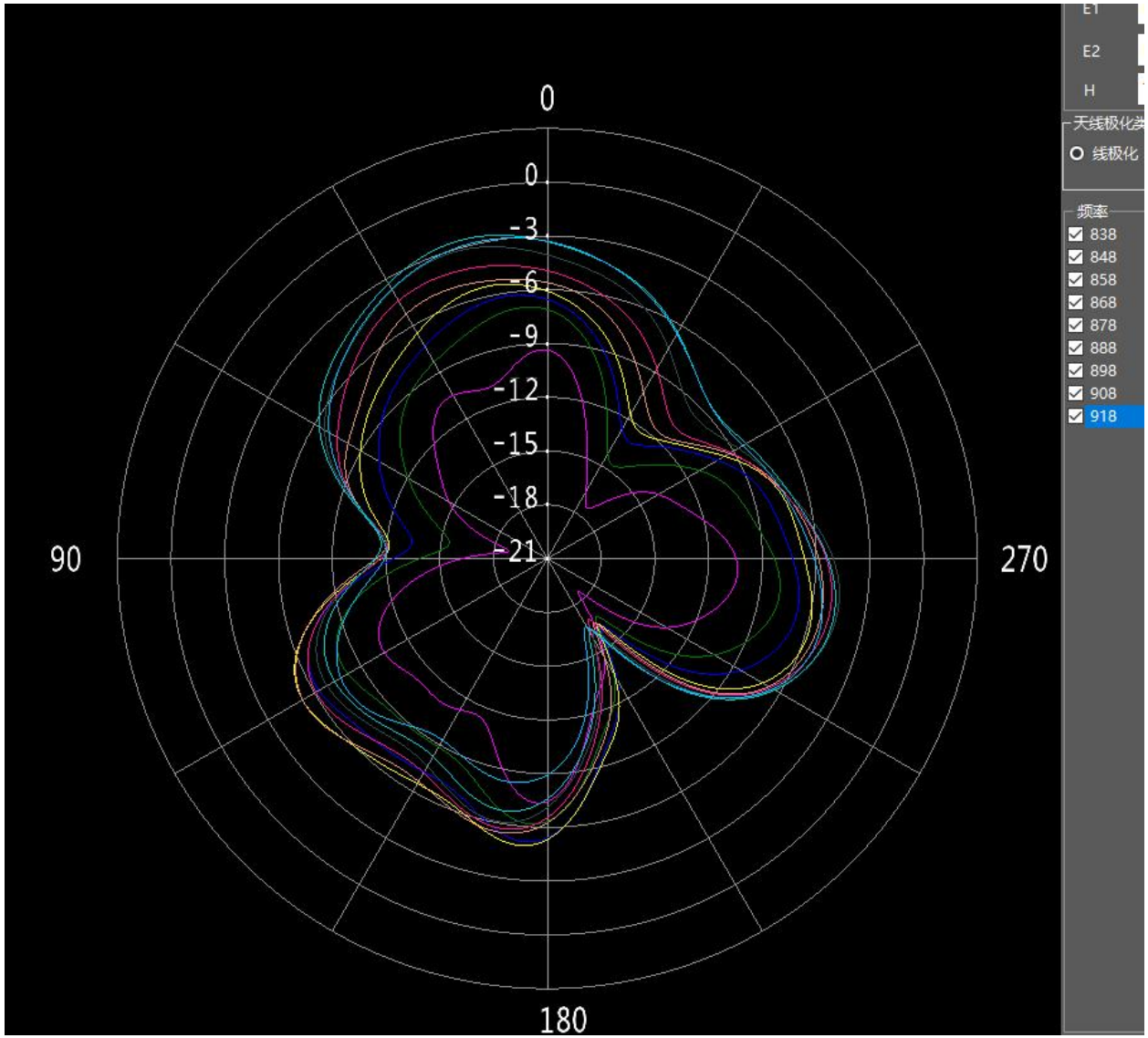
5.3.2 E-plane

### E1





**E2**





## 5.4 UGain & Efficiency

频率(MHz)	增益(dBi)	效率(%)
838	-5.65	19.34
848	-3.92	25.89
858	-3.04	27.22
868	-2.32	30.31
878	-2.21	29.94
888	-2.27	28.54
898	-1.87	31.58
908	-1.55	32.72
918	-1.70	33.32

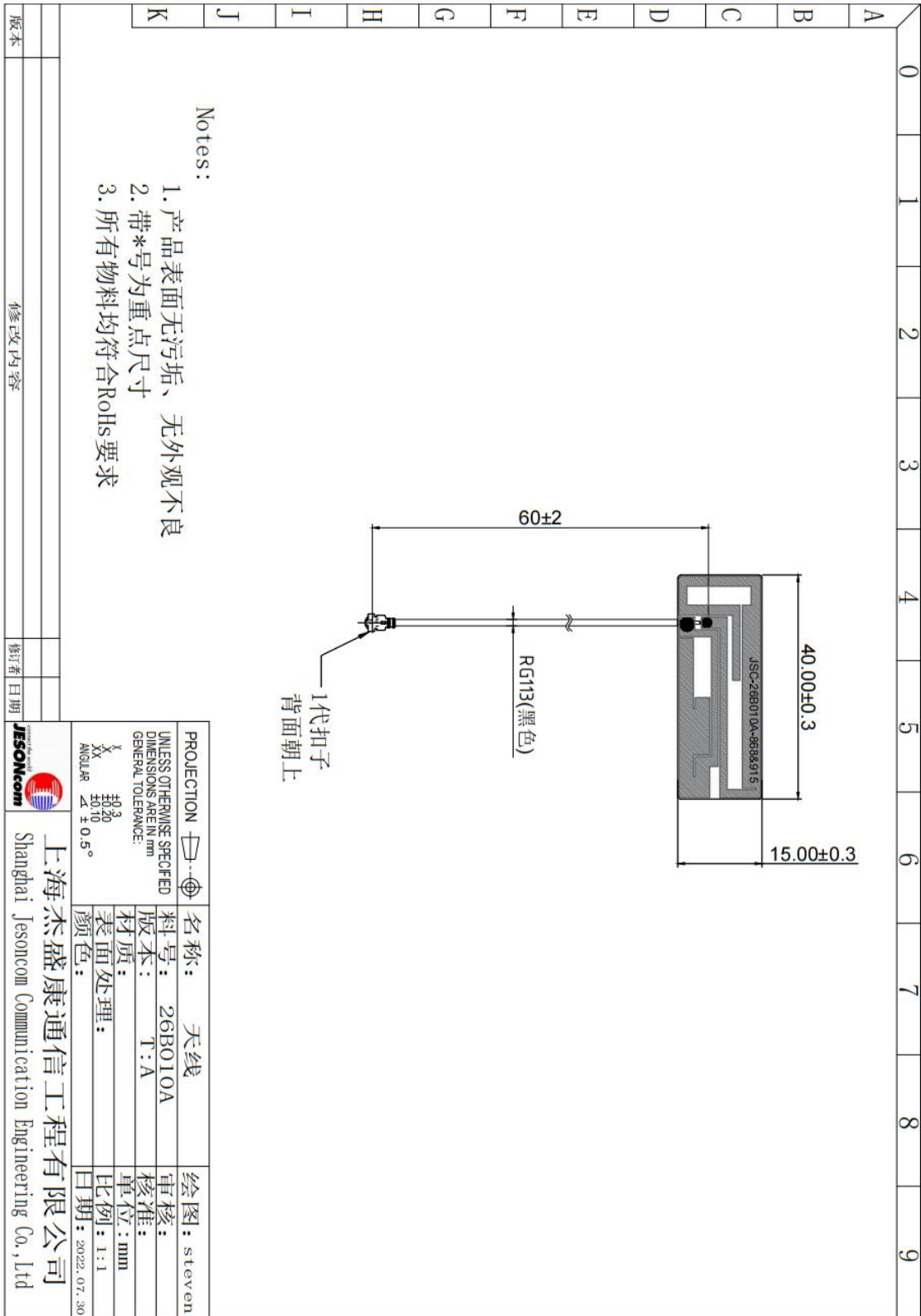
## 6 Environmental treatment suggestions

Environment does not need treatment

## 7 Impedance matching

Impedance does not need treatment

## 8 Antenna plan



## 9 Antenna installation guide

### 9.1 Antenna installation instructions



## 10 Other(manner of packing)