

SPECIFICATION FOR APPROVAL

CUSTOMER/PROJECT: LANDI

CUSTOMER P.N. :

PRODUCT NAME. : WIFI ANT

MODEL NO. : 5U051A

SPECIFICATION :

VERSION	DATE	REVISION DESCRIPTION
T:A	2020-11-06	newly added
T:B	2020-12-29	Update drawings
T:C	2021-03-02	Update drawings
T:D	2022-11-14	Update drawings
T:E	2026-04-03	Update the English version

SUPPLIER AUTHORIZED SIGNATURE		
PREPARED	CHECKED	APPROVED
Jenny		

CUSTOMER AUTHORIZED SIGNATURE			
PM		QE	

P lease 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 Simth plot

4.3 Radiation pattern

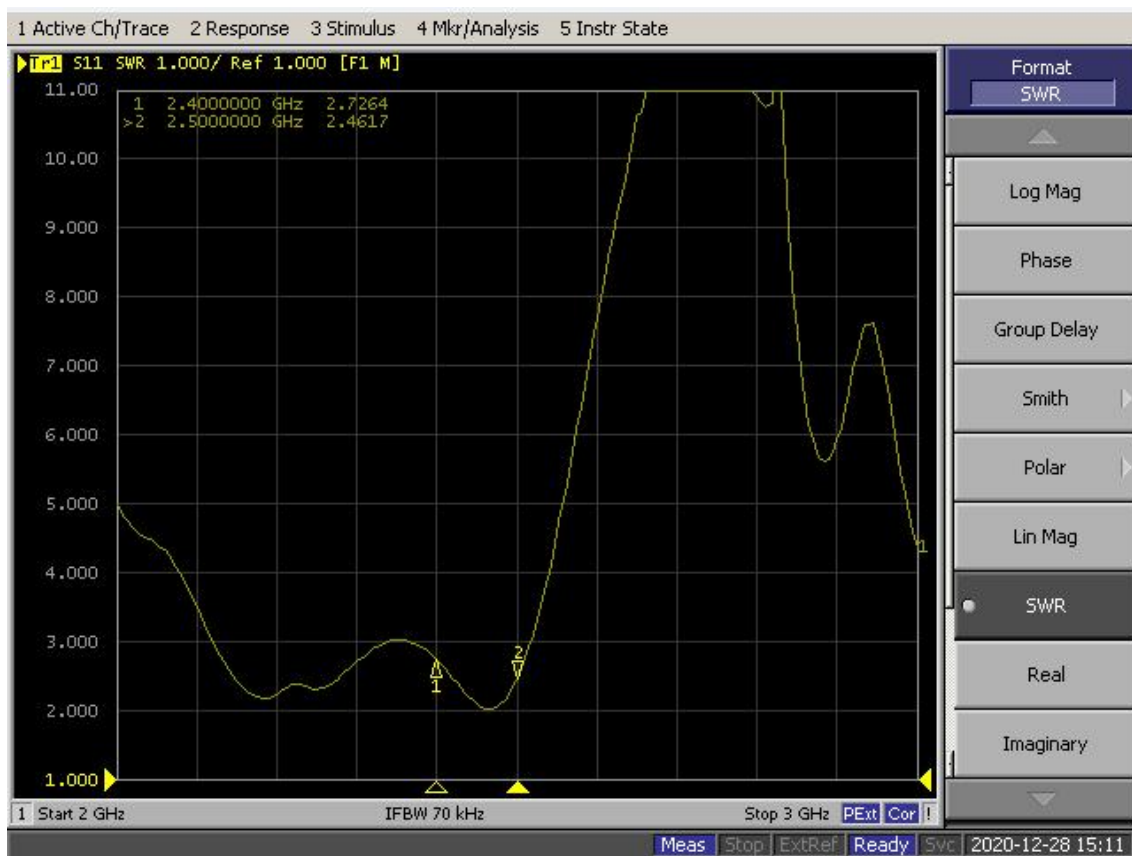
4.4 Gain & Efficiency

4.5 TRP&TIS

5 Antenna parameter

5.1 VSWR

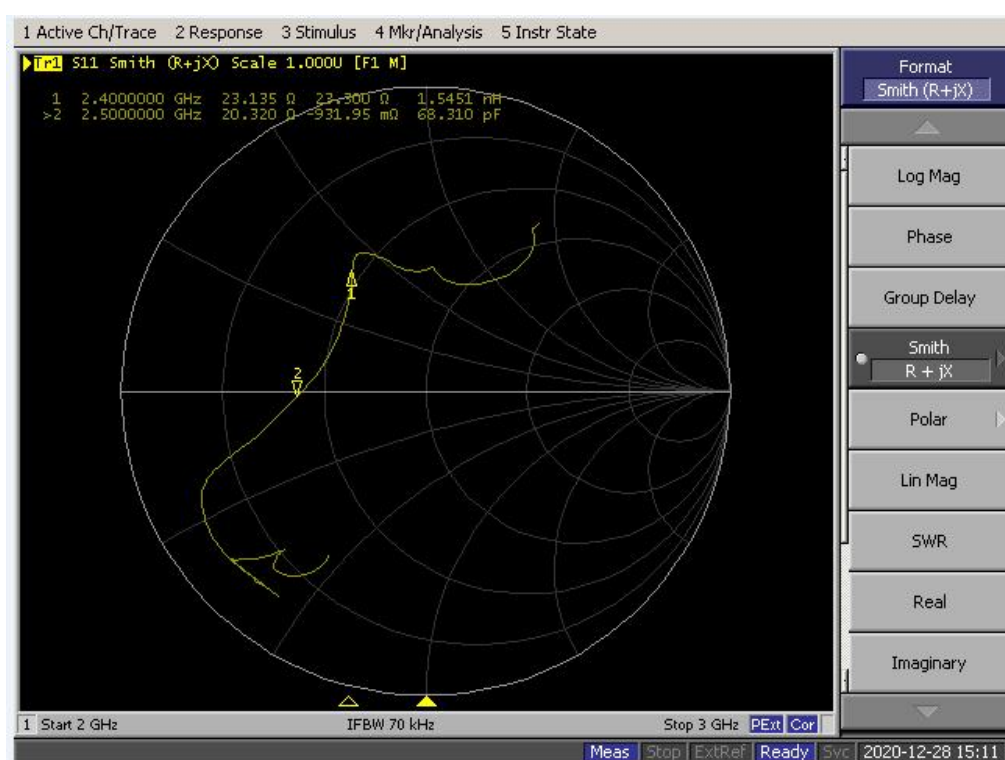
5.1.1 VSWR plot



5.1.2 VSWR data

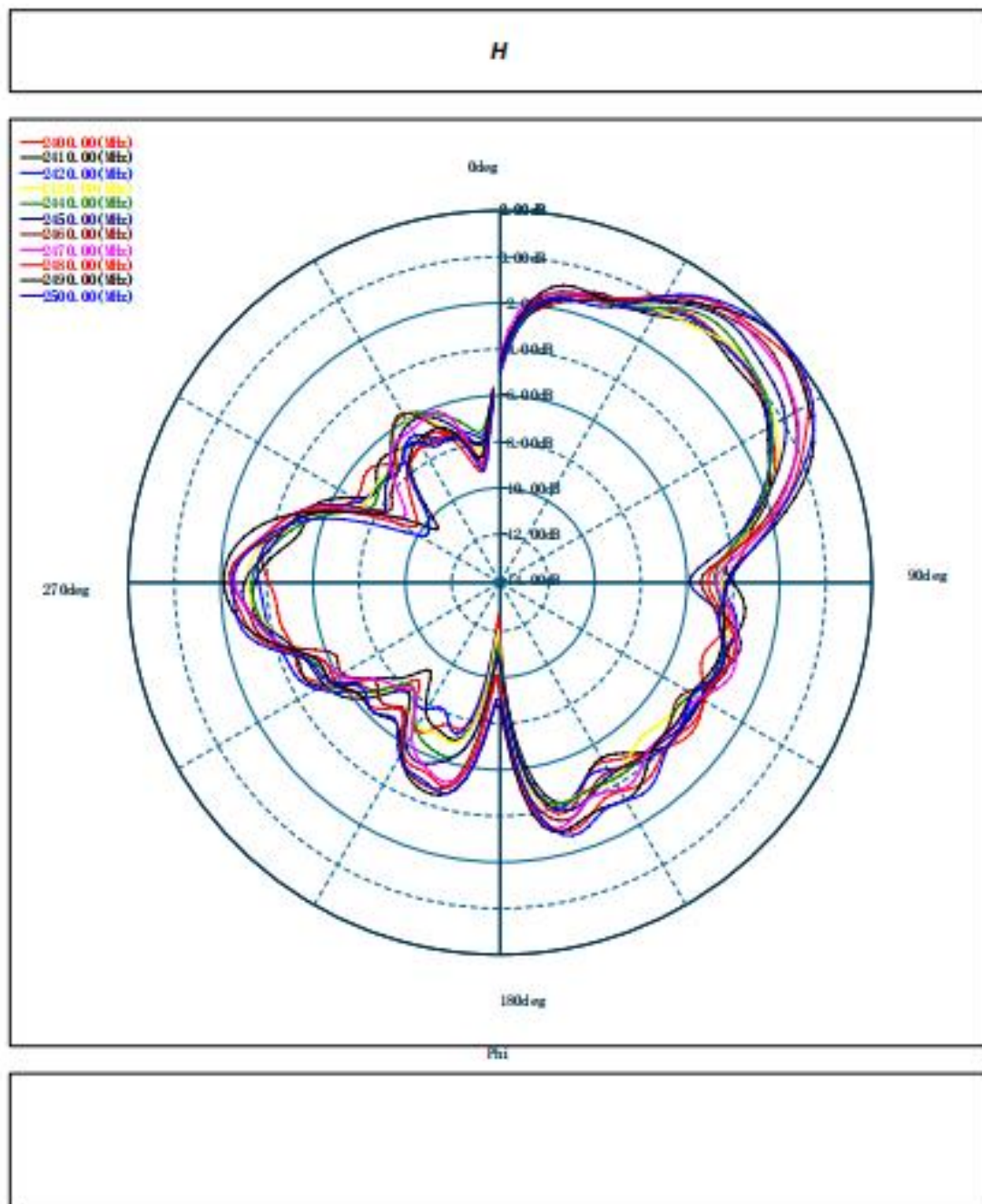
Freq/MHz	2400	2500
VSWR	2.7	2.4

5.2 Smith plot

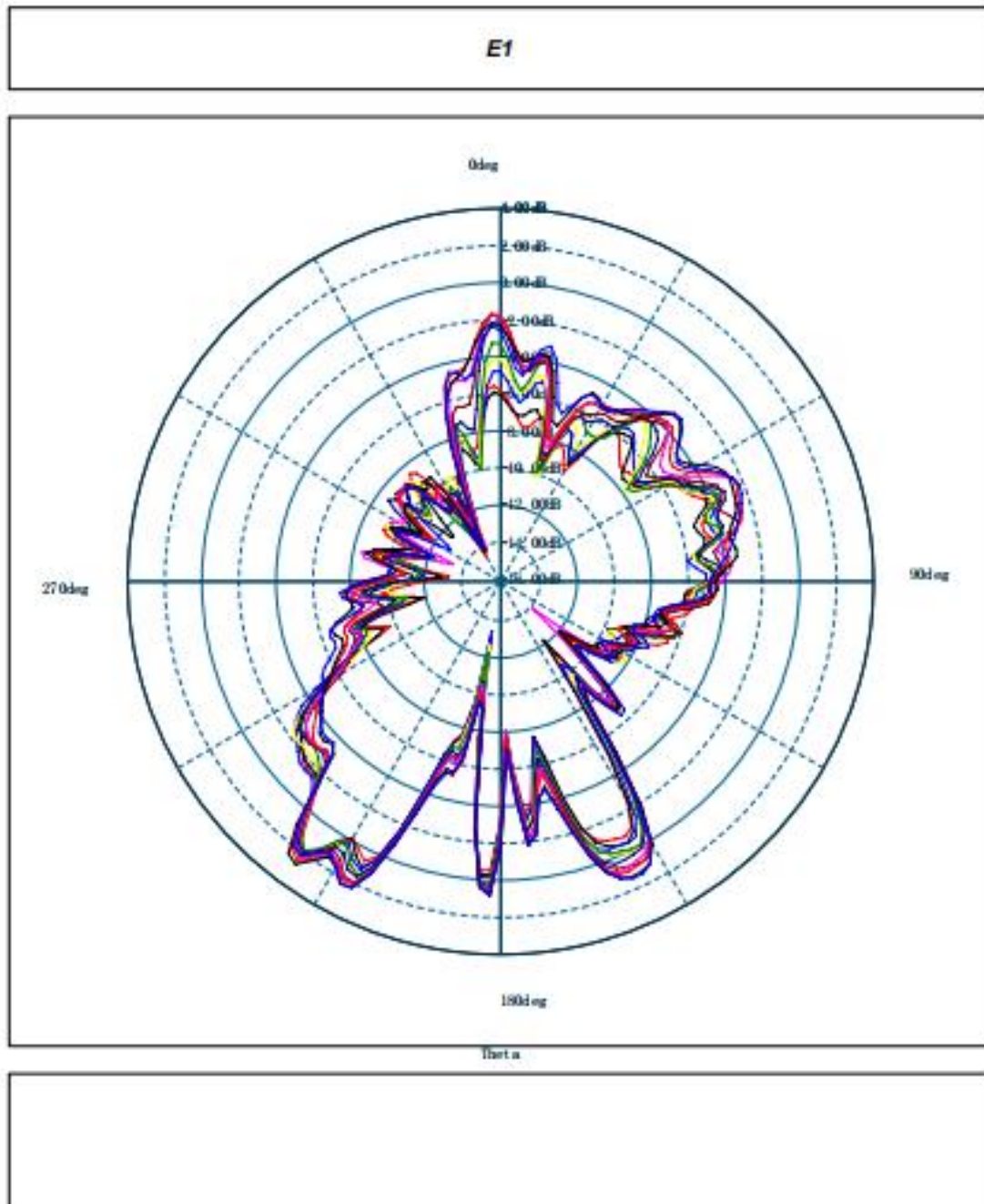


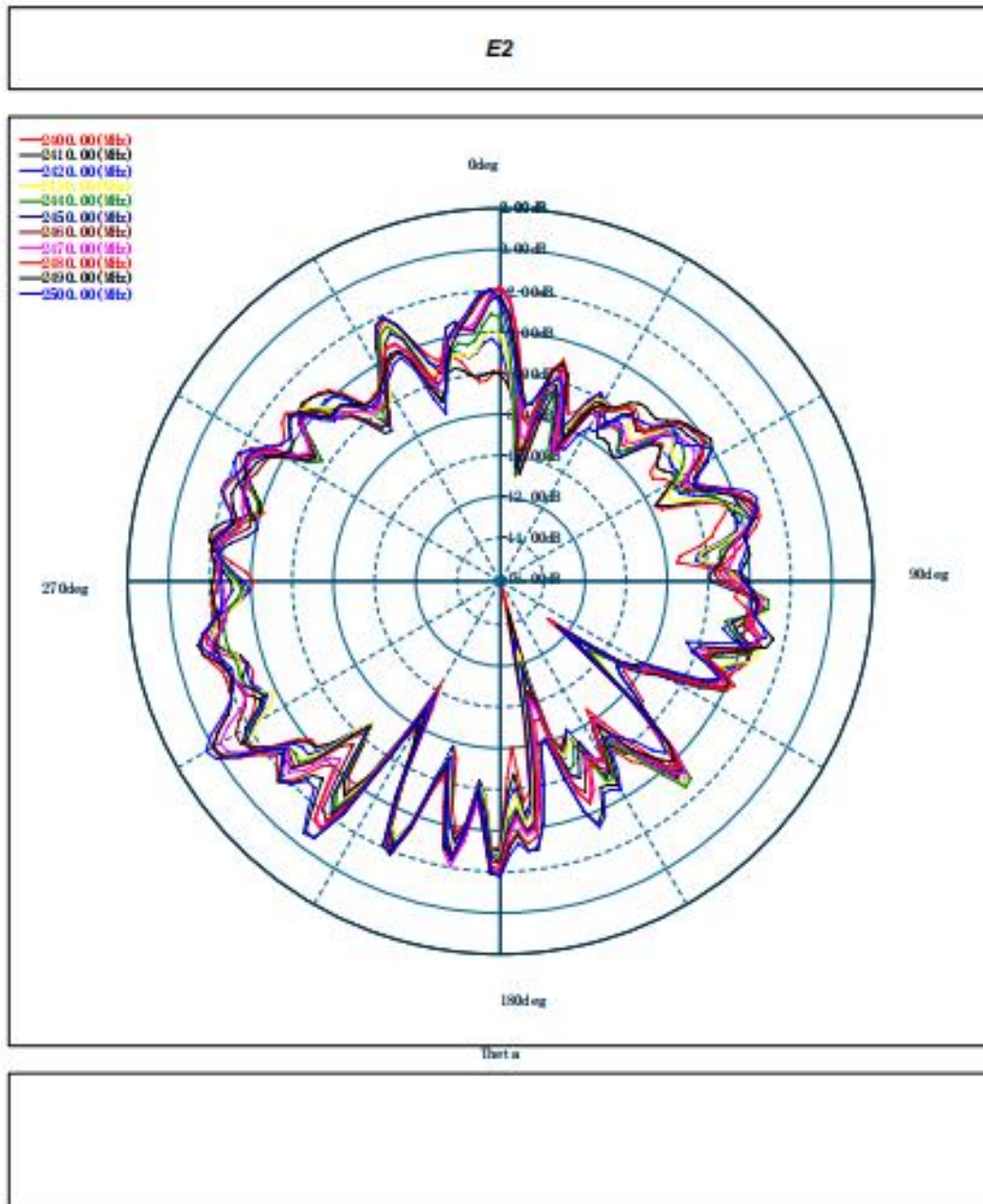
5.3 Radiation pattern

5.3.1 H-plane



5.3.2 E-plane





5.4 UGain & Efficiency

Frequency [Hz]	Efficiency	Max Gain [dBi]
2400000000	38%	1. 589048831
2410000000	40%	2. 049455033
2420000000	41%	2. 397480059
2430000000	41%	2. 426492977
2440000000	42%	2. 506995532
2450000000	43%	2. 566022335
2460000000	44%	2. 612872568
2470000000	45%	2. 883464823
2480000000	43%	2. 523642203
2490000000	42%	2. 422690831
2500000000	41%	2. 37728989

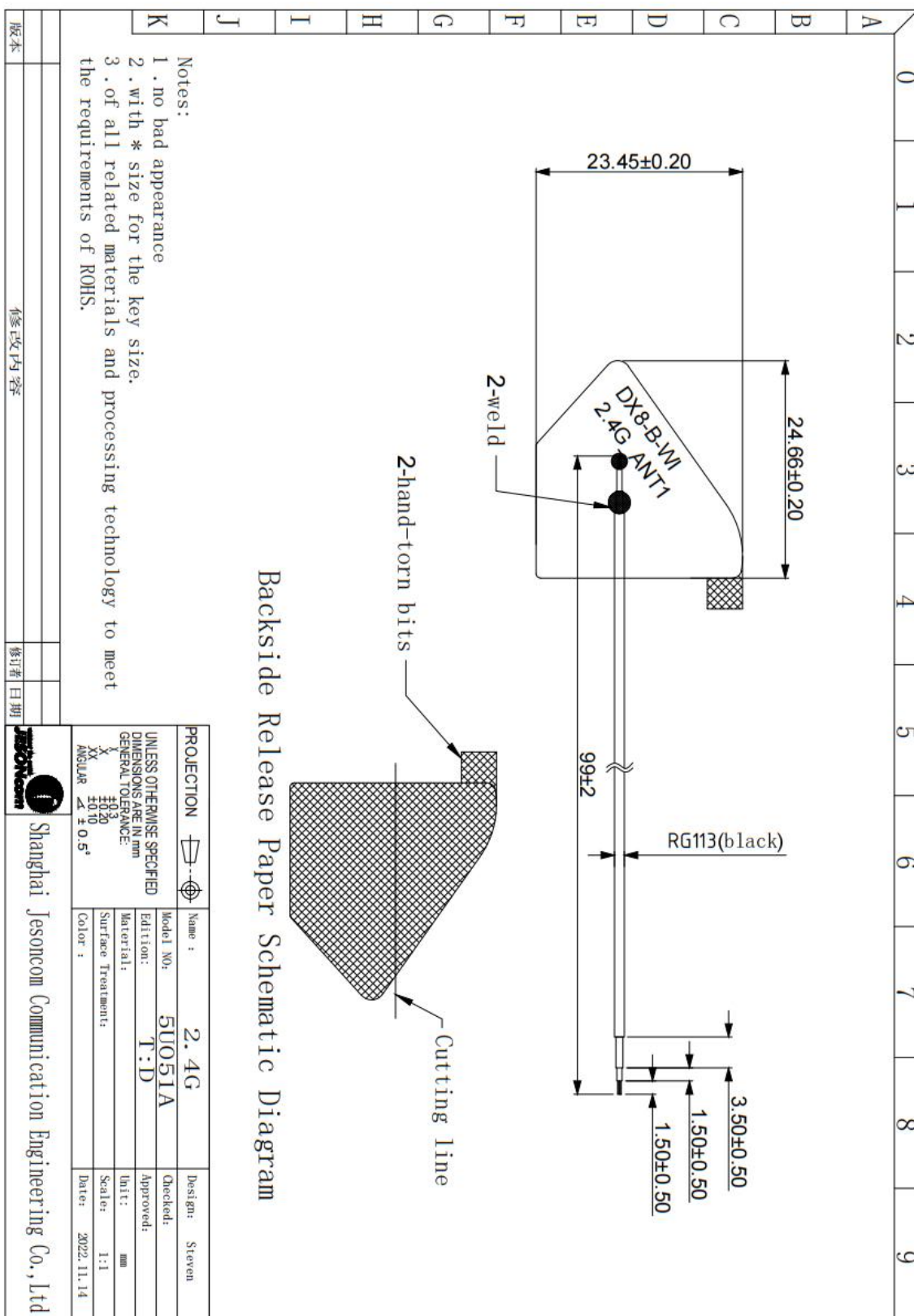
6 Environmental treatment suggestions

Environment does not need treatment

7 Impedance matching

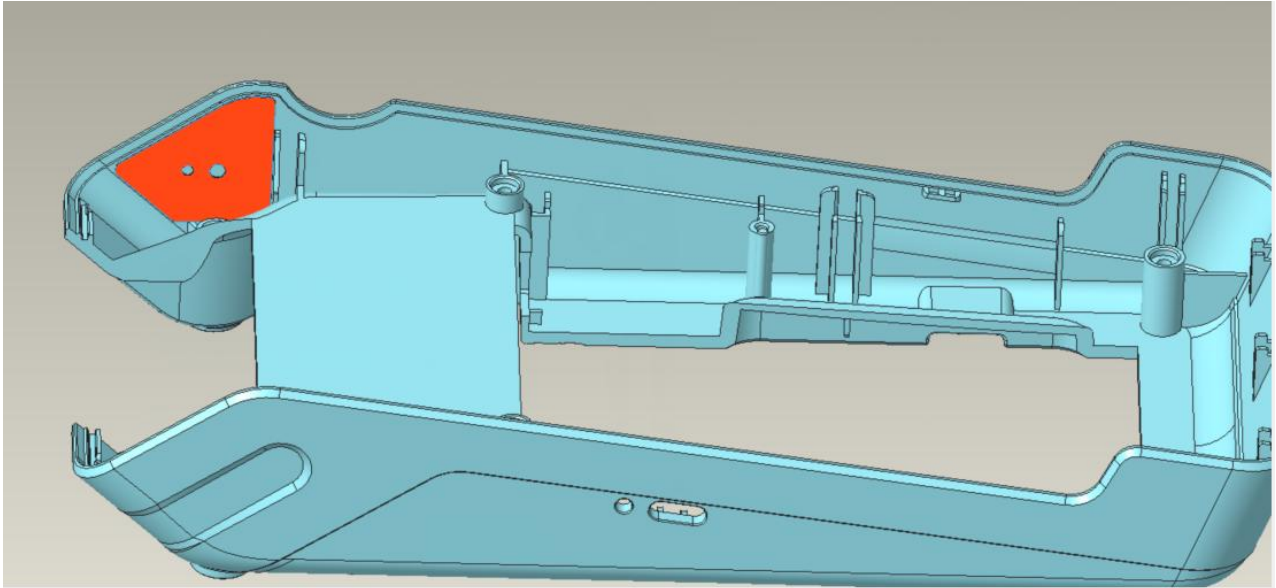
The matching circuit has not been changed

8 Antenna plan



9 Antenna installation guide

9.1 Antenna installation instructions



10 Other