



上海杰盛康通信工程有限公司

Shanghai Jesoncom Communication Engineering Co., Ltd

Confidential

SPECIFICATION FOR APPROVAL

CUSTOMER/PROJECT: LANDI C20SE

PRODUCT NAME. : WIFI Antenna

MODEL NO. : 5U071A

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

地址: 上海市宝山城市工业园区柳园路358号5号楼5楼

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

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1 DEFINITION

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

Can be increased or decreased according to actual situation

vector network analyzer

Comprehensive test instrument

GTS darkroom

3 Applicable frequency band

Mark the applicable frequency bands with other colors.

	频段 Frequency
WIFI (2.4G)	2412MHz~2483MHz
WIFI (5G)	5150MHz~5850MHz

4 Basic testing items

4.1 Standing wave ratio diagram

4.2 Smith impedance diagram

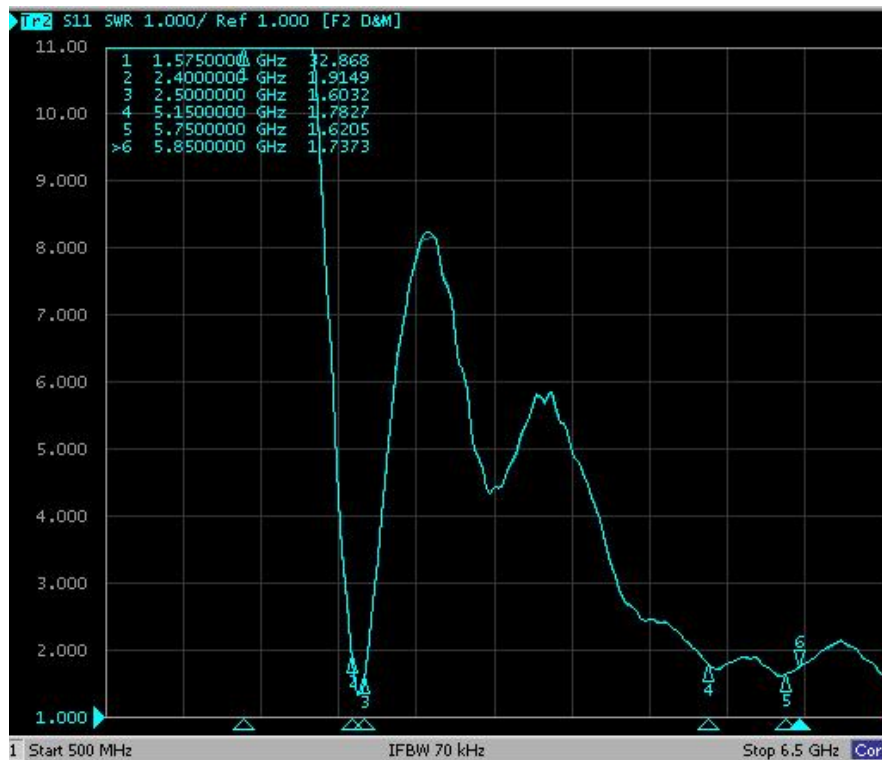
4.3 Radiation pattern

4.4 Gain and efficiency

5 Test indicators and data charts

5.1 standing-wave ratio

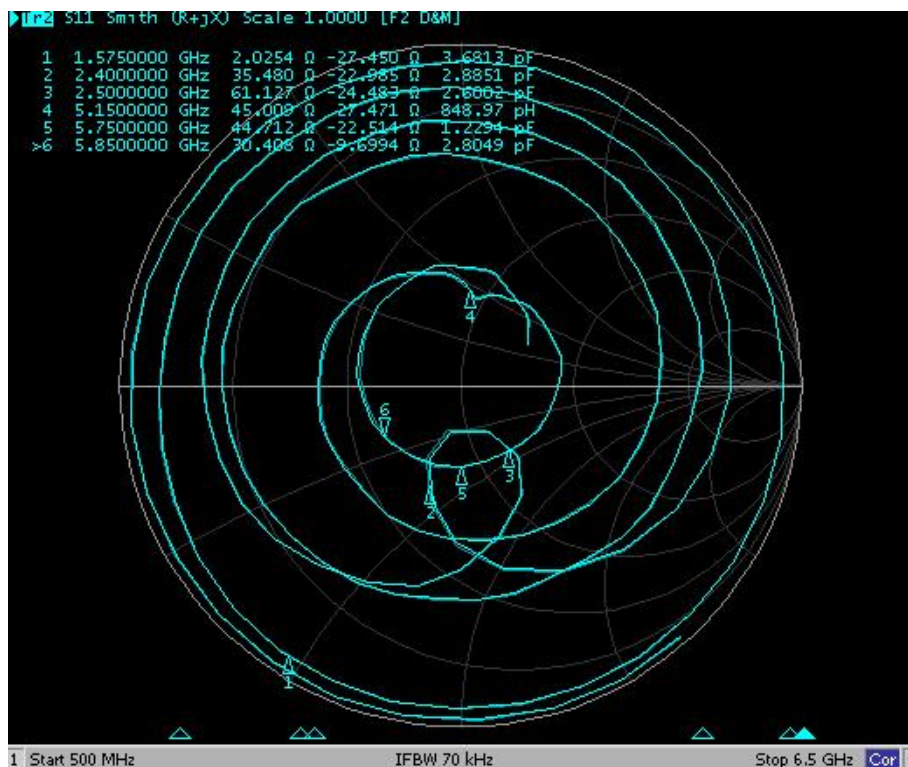
5.1.1 Standing wave ratio diagram



5.1.2 Standing wave ratio data

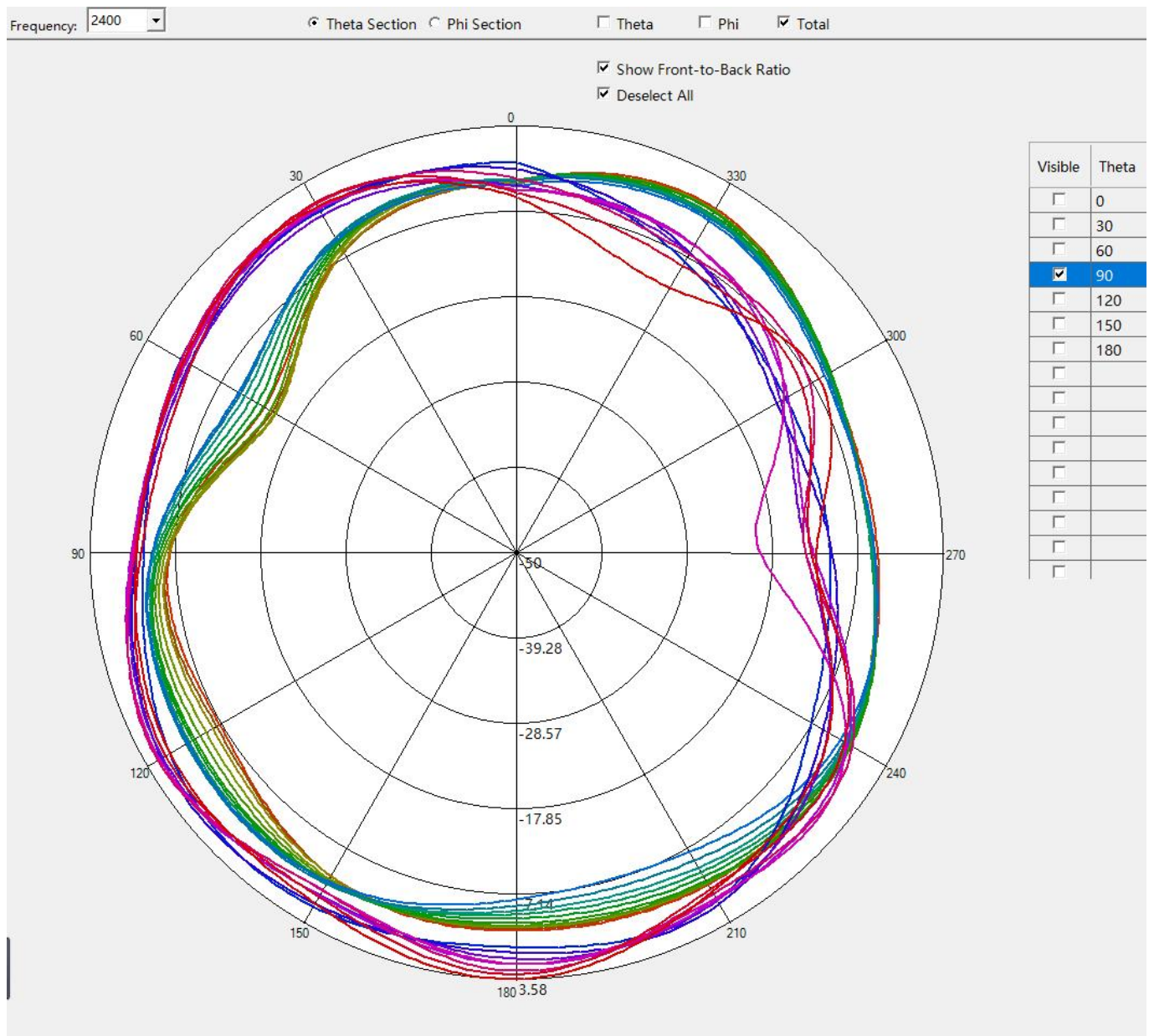
Freq/MHz	2400	2500	5150	5750	5850
VSWR	1.9	1.6	1.7	1.6	1.7

5.2 Smith impedance circle diagram

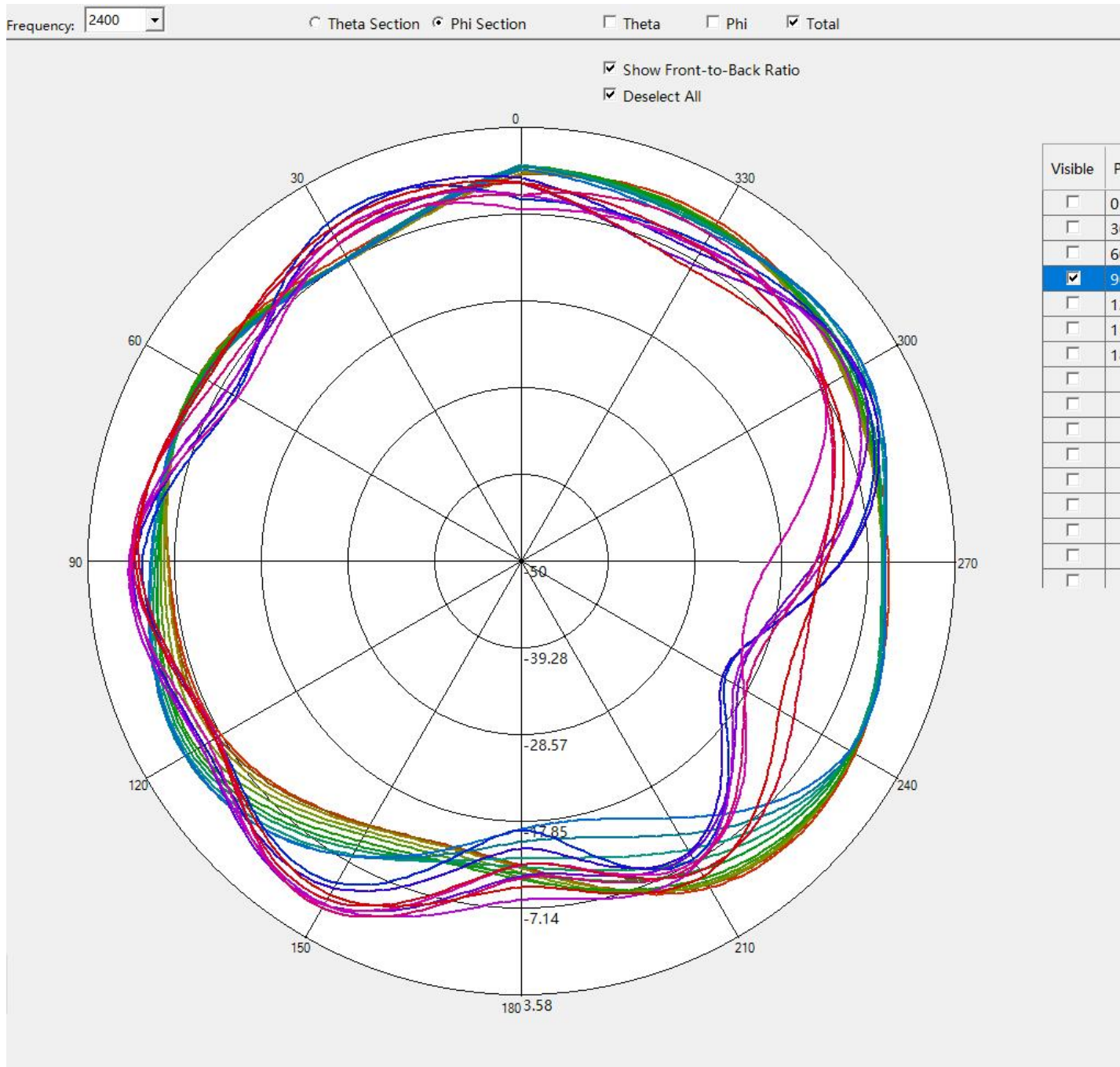


5.3 Radiation pattern

5.3.1H-plane



E2



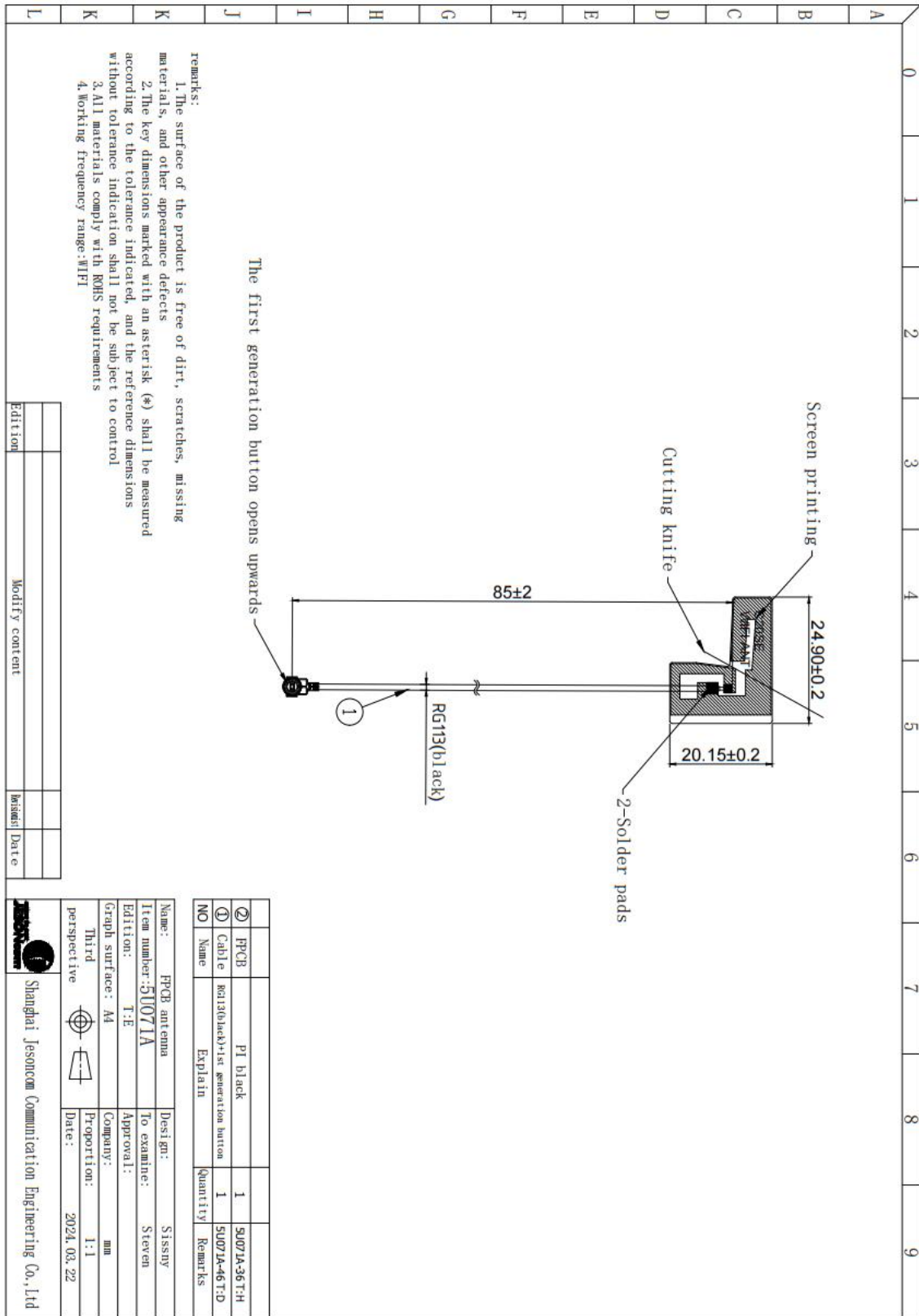
5.4 Gain and efficiency

Freq (MHZ)	Eff (%)	GAIN (dBi)		Freq (MHZ)	Eff (%)	GAIN (dBi)
2400	51.47	4.55		5150	50.20	3.21
2410	48.90	4.19		5250	59.57	4.19
2420	48.07	4.03		5350	55.07	3.39
2430	48.92	4.10		5450	53.57	5.71
2440	48.67	3.99		5550	44.44	4.64
2450	46.63	3.89		5650	55.51	5.43
2460	45.36	3.59		5750	47.63	4.72
2470	43.17	3.50		5850	47.90	4.52
2480	42.87	3.55				
2490	43.73	3.83				
2500	43.63	3.94				

Active data

	CH	TRP (dBm)		TIS (dBm)	
11B	1	14.50		-81.03	
	6	15.18		-81.89	
	11	14.71		-82.78	
11A	36	13.75		-70.56	
	64	14.10		-70.14	
	165	11.54		-69.94	

6 Antenna Outline Drawing



7 Antenna Installation Guide

7.1 Antenna installation and feeder routing instructions

