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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.

	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

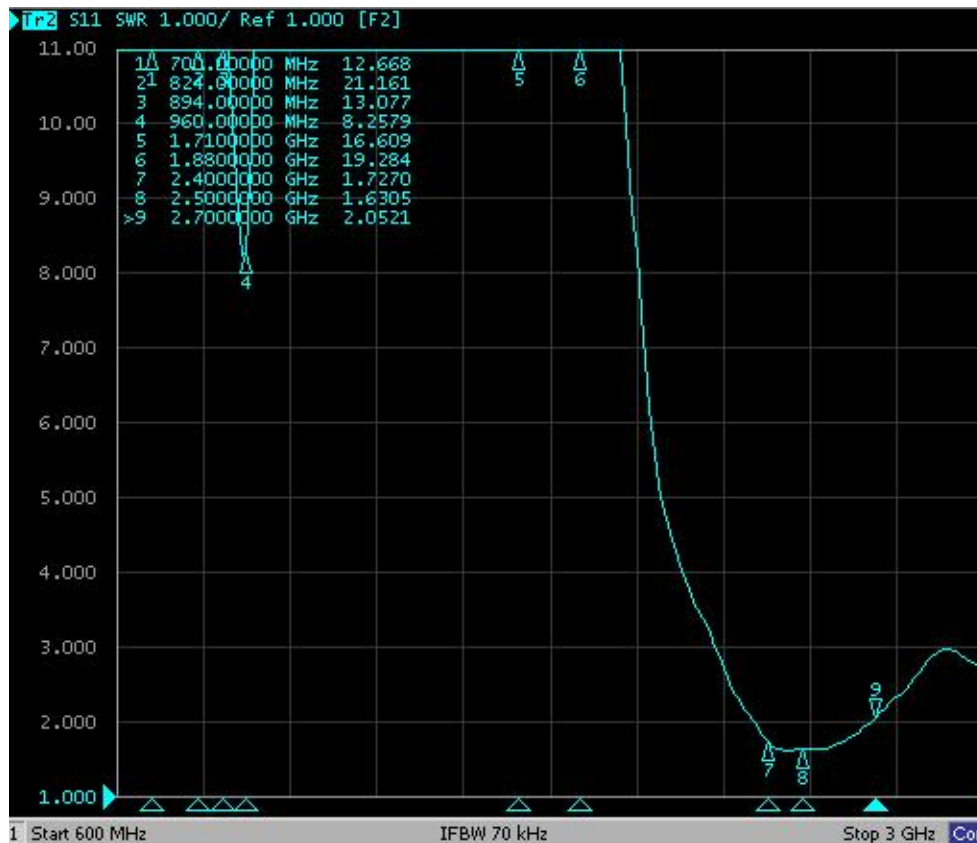
4.3 Radiation pattern

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

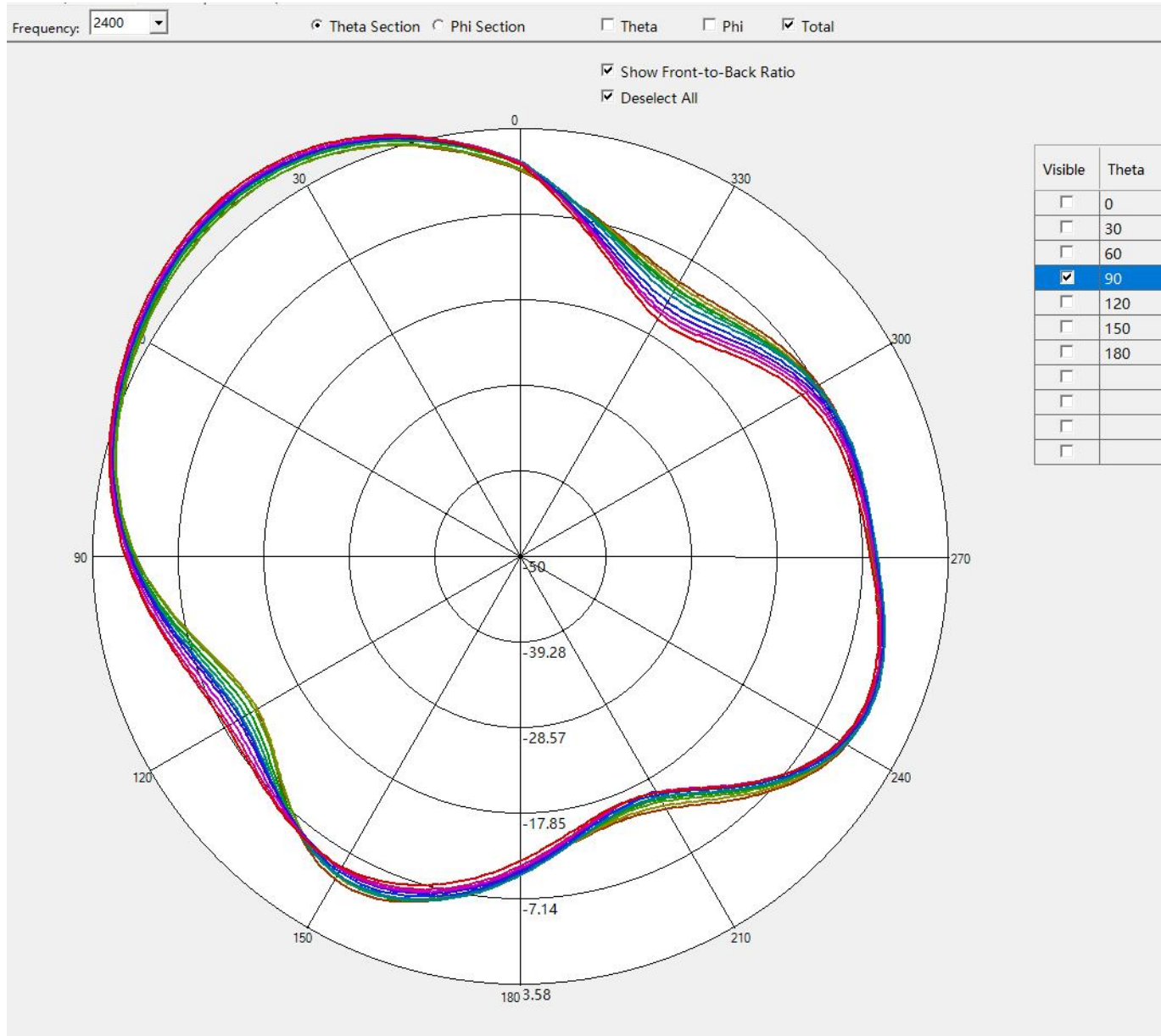
Freq/MHz	2400	2500
VSWR	1.7	1.6

5.2 Smith impedance circle diagram



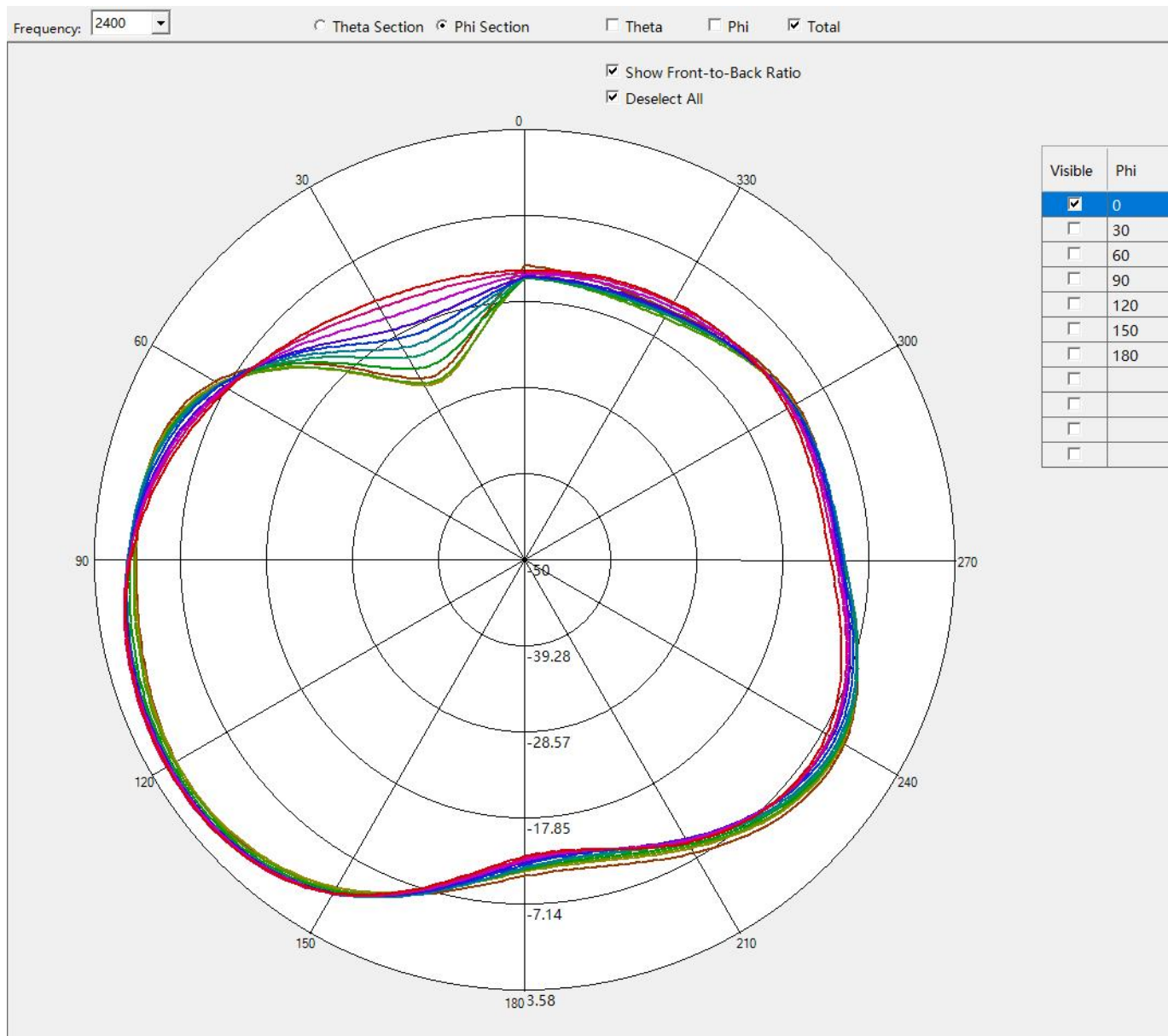
5.3 Radiation pattern

5.3.1H-plane

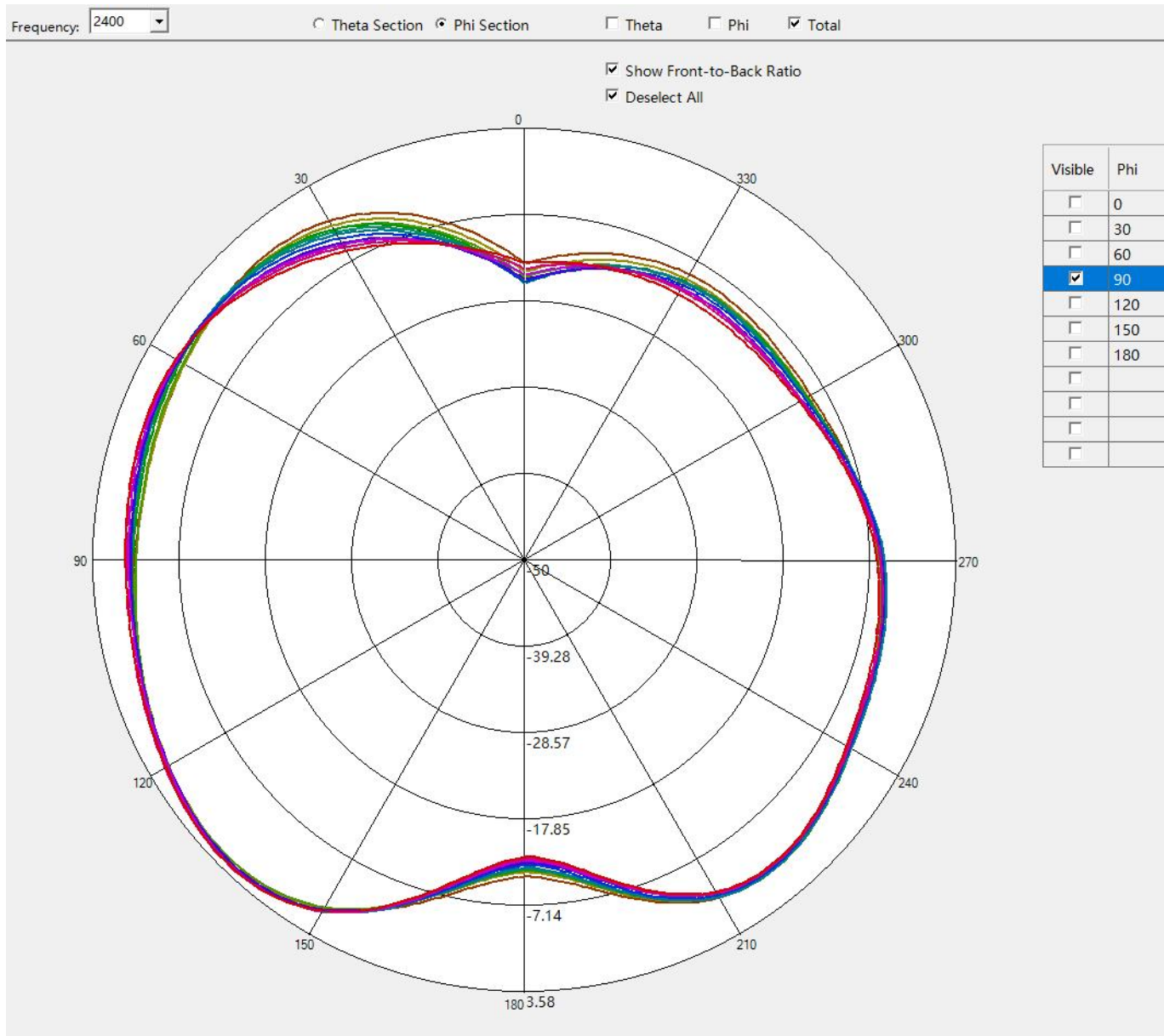


5.3.2 E-plane

E1



E2



5.4 Gain and efficiency&TRP/TIS

Freq (MHZ)	Eff(%)	GAIN(DBi)
2400	73.82	5.47
2420	70.61	5.84
2440	75.96	6.14
2450	77.46	6.37
2460	74.86	6.31
2470	73.42	6.45
2480	75.28	6.38
2490	78.33	6.58
2500	76.63	6.60

Single screen

	CH	TRP		TIS	
11B	1	16.82		-82.46	
	6	17.14		-82.14	
	11	16.95		-82.47	
11G	1	15.35		-68.19	
	6	15.29		-68.22	
	11	15.26		-68.28	
11GN	1	13.67		-63.17	
	6	13.51		-63.18	
	11	13.43		-63.09	

Dual screen

	CH	TRP		TIS	
11B	1	15.79		-81.89	
	6	16.01		-81.08	
	11	15.63		-82.51	
11G	1	15.07		-68.05	
	6	15.18		-68.09	
	11	14.86		-68.58	
11GN	1	14.37		-64.45	
	6	14.29		-64.34	
	11	13.86		-64.17	

6 Environmental treatment suggestions

7 Impedance matching requirements

8 Antenna Outline Drawing

	0	1	2	3	4	5	6	7	8	9
A										
B										
C										
D										
E										
F										
G										
H										
I										
J										
K										

Notes:

1. 产品表面无污垢、无外观不良
2. 带*号为重点尺寸
3. 所有物料均符合RoHS要求

②	FRB	PI 黑色	1	SU062A-36 T:D
①	Cable	RG13 (黑色)	1	SU062A-46 T:D
NO	名称	说明	数量	备注
PROTECTION		名称: 天线	绘图: Zhang1x	
UNLESS OTHERWISE SPECIFIED		料号: SU062A	审核:	
DIMENSIONS ARE IN mm		版本: T:D	核准:	
GENERAL TOLERANCE		材质:	单位: mm	
Xy 40.3		表面处理:	比例: 1:1	
Xy 40.3		颜色:	日期: 2023.07.06	
R0.05				

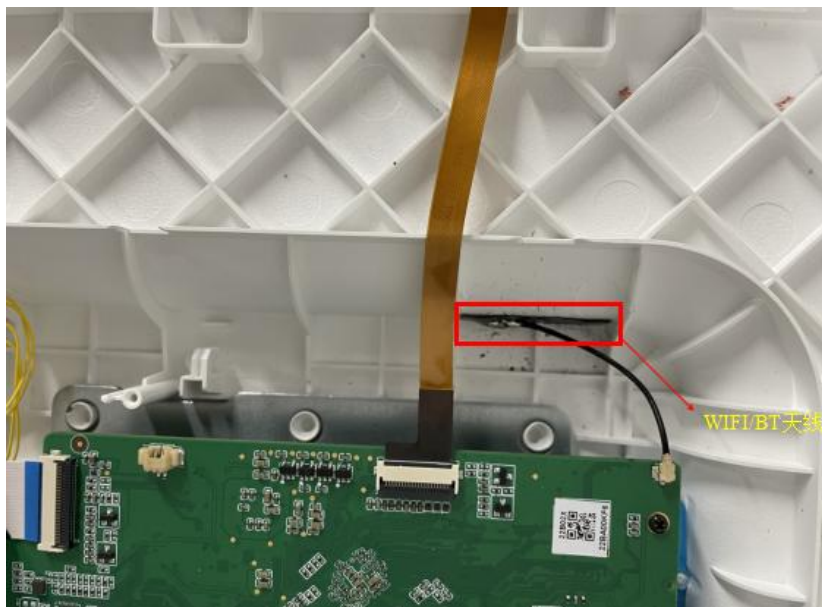
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Shanghai Jesoncom Communication Engineering Co., Ltd

9 Antenna Installation Guide

9.1 Antenna installation and feeder routing instructions



10 Other