

Shenzhen Yunding Communications Electronics Co., Ltd

Address: Room 3015, Jinchu Center, Aviation Road, Bao'an District, Shenzhen City

TEL: +86 0755-23073599

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E-mail:wht0809@163.com

APPROVAL SHEET

P R O J E C T:

TAV3000

DESCRIPTION:

A N T 2: SY-WIFI-01-1.13-L100MM-IPEX1

PART NO.:

CUS PART NO.:

D A T E:

2025-12-8

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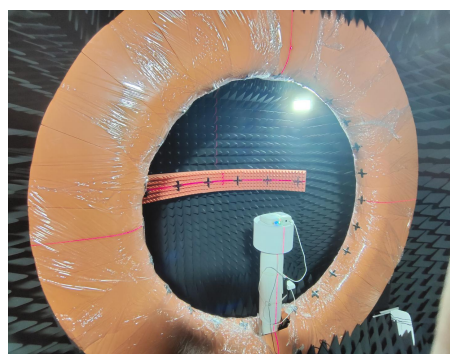
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1. Testing projects and equipment

	test project	equipment
1. S11 Specifications (S-parameter)	1. return loss (Return Loss) 2. Voltage Standing Wave Ratio (VSWR)	Network Analyzer: Agilent E5071B HP 8753D
2. Active testing (Active)	1. transmit power (TRP) 2. reception sensitivity (TIS)	1. darkroom: ETS 7x4x3 m (3D) Chamber ETS 5x3x3 m (3D) Chamber 2.Comprehensive Tester: Agilent 8960 E5515B ×2 StarPoint SP6011 Cmw500
3.Passive Test (Passive)	1. Antenna gain (Gain) 2. Antenna efficiency (Efficiency)	1. darkroom: ETS 7x4x3 m (3D) Chamber ETS 5x3x3 m (3D) Chamber 2. Network Analyzer: Agilent E5071B HP 8753D



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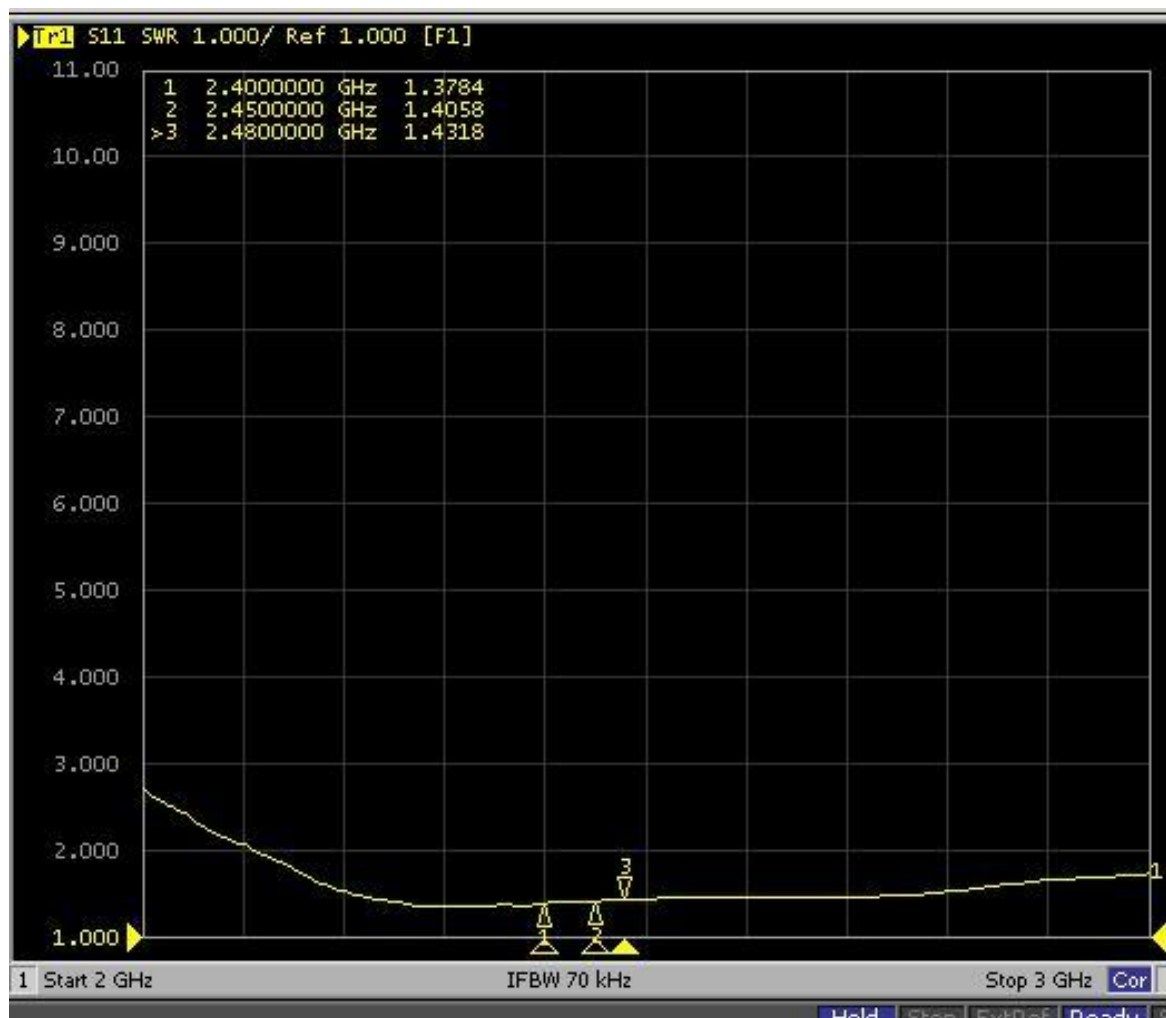
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2. Antenna performance

SWR



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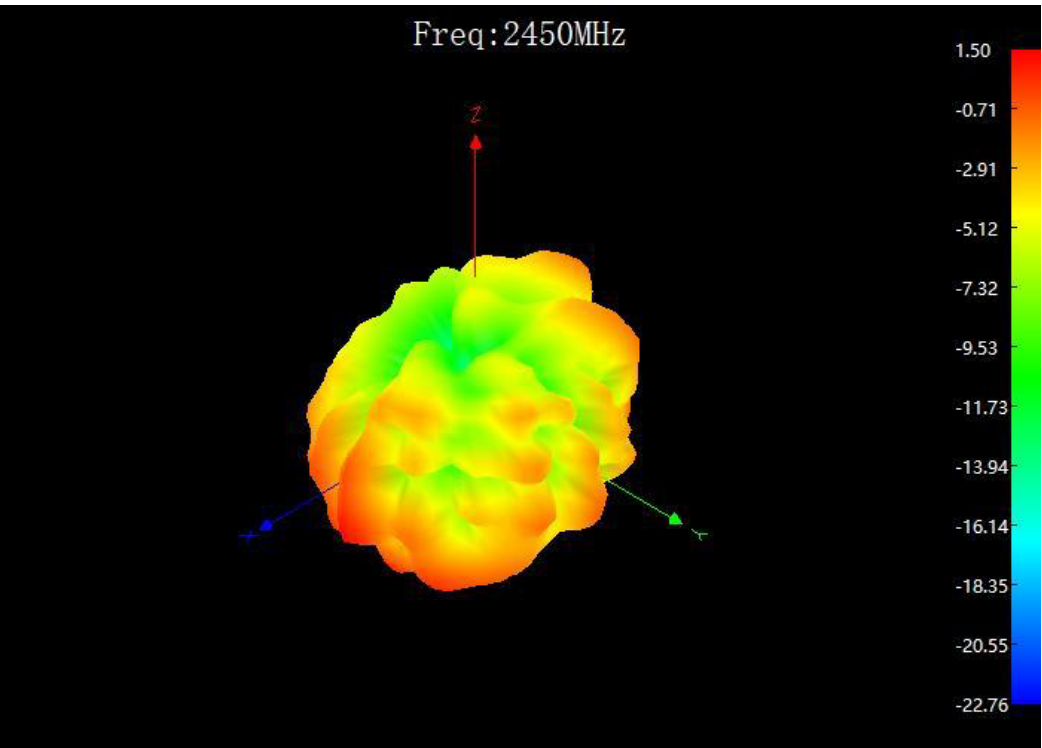
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3. Antenna efficiency and gain

Freq (MHz)	Effi (%)	Gain (dBi)
2400	62.02	0.74
2410	59.9	1.01
2420	58.13	1.38
2430	58.11	1.32
2440	60.84	1.37
2450	63.77	1.51
2460	65.88	1.68
2470	64.56	2.07
2480	65.53	2.21
2490	66.52	2.04
2500	64.34	2.18



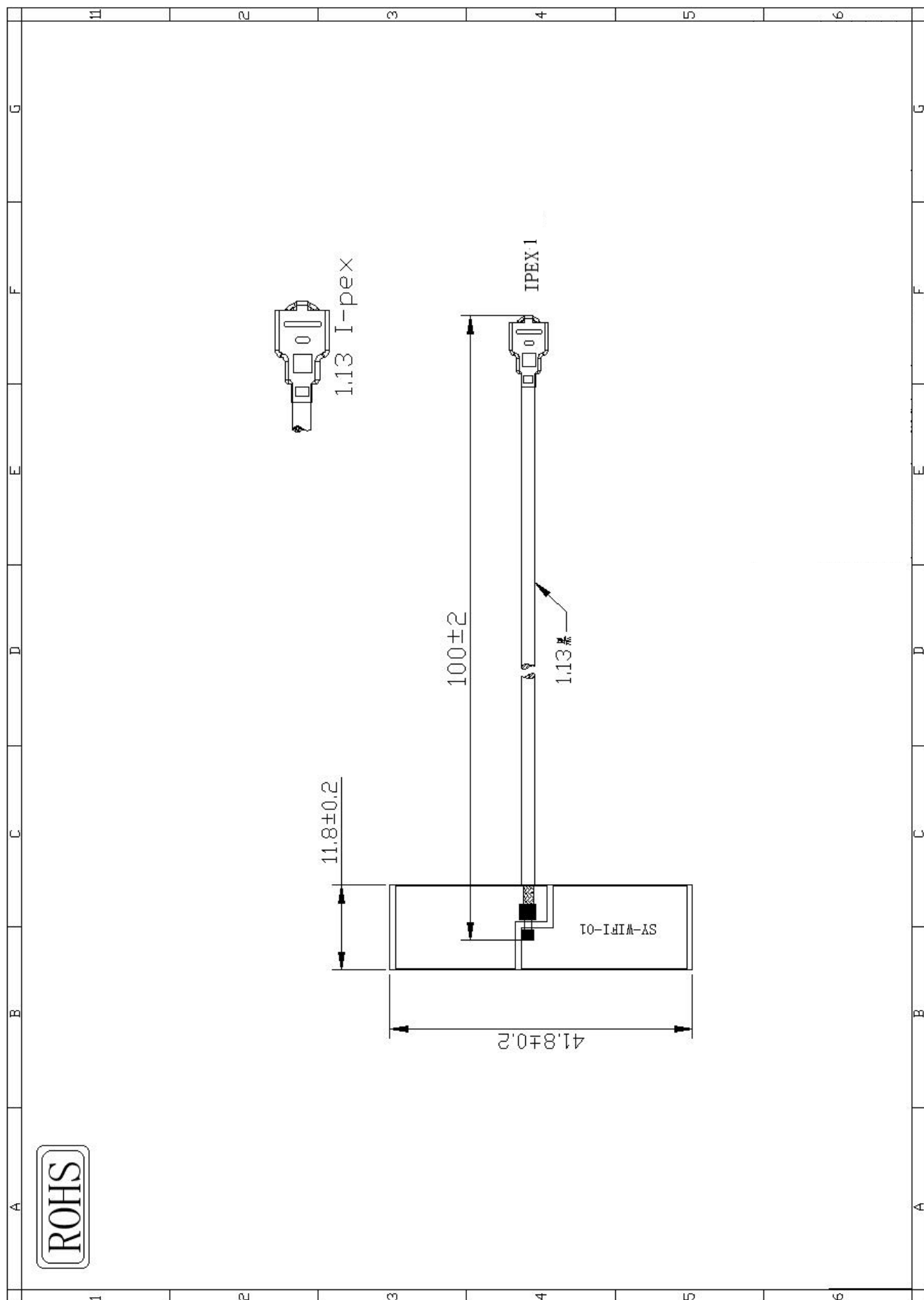
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Electrical technical parameters

Electrical Specifications	
Frequency Range	2400~2500 MHz
VSWR	≤ 1.5
Input Impedance	50 Ω
Maximum gain	2.21 DBI
Maximum Input Power	50W
Mechanical Specifications	
	Black
Input connector	IPEX 1
Wire length	100 MM
Working Temperature	-40℃~+85℃
Working Humidity	20~80%