

Shenzhen Yunding Communication Electronics Co., LTD

TEL: +86 0755-23073599

FAX: +86 0755-23097189

E-mail:wht0809@163.com

APPROVAL SHEET

CUSTOMER:

DESCRIPTION:

D32-H616-WIFI-FPC-1.13BLack-100MM

PART NO.:

CUS PART NO.:

D A T E:

2026-3-4

Yunding signature

ENGINEERING DEPARTMENT	Q C DEPARTMENT	SALES DEPARTMENT

Customer signature

ENGINEERING DEPARTMENT	Q C DEPARTMENT	PURCHASING DEPARTMENT

TEL: 0755 23073599

✂ Approval in duplicate, please signed by your company.

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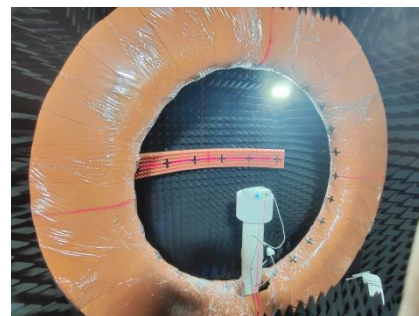
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1.Test items and equipment

	Test items	Equipment
1. S11-parameter	1. Return Loss 2. VSWR	network analyzer: Agilent E5071B HP 8753D
2.Active test	1. Transmitting power 2. Receiving sensitivity	1. Darkroom: ETS 7x4x3 m (3D) Chamber ETS 5x3x3 m (3D) Chamber 2.general-purpose tester : Agilent 8960 E5515B ×2 StarPoint SP6011 Cmw500
3.Passive test	1.Gain 2.Efficiency	1. Darkroom: ETS 7x4x3 m (3D) Chamber ETS 5x3x3 m (3D) Chamber 2. network analyzer: Agilent E5071B HP 8753D



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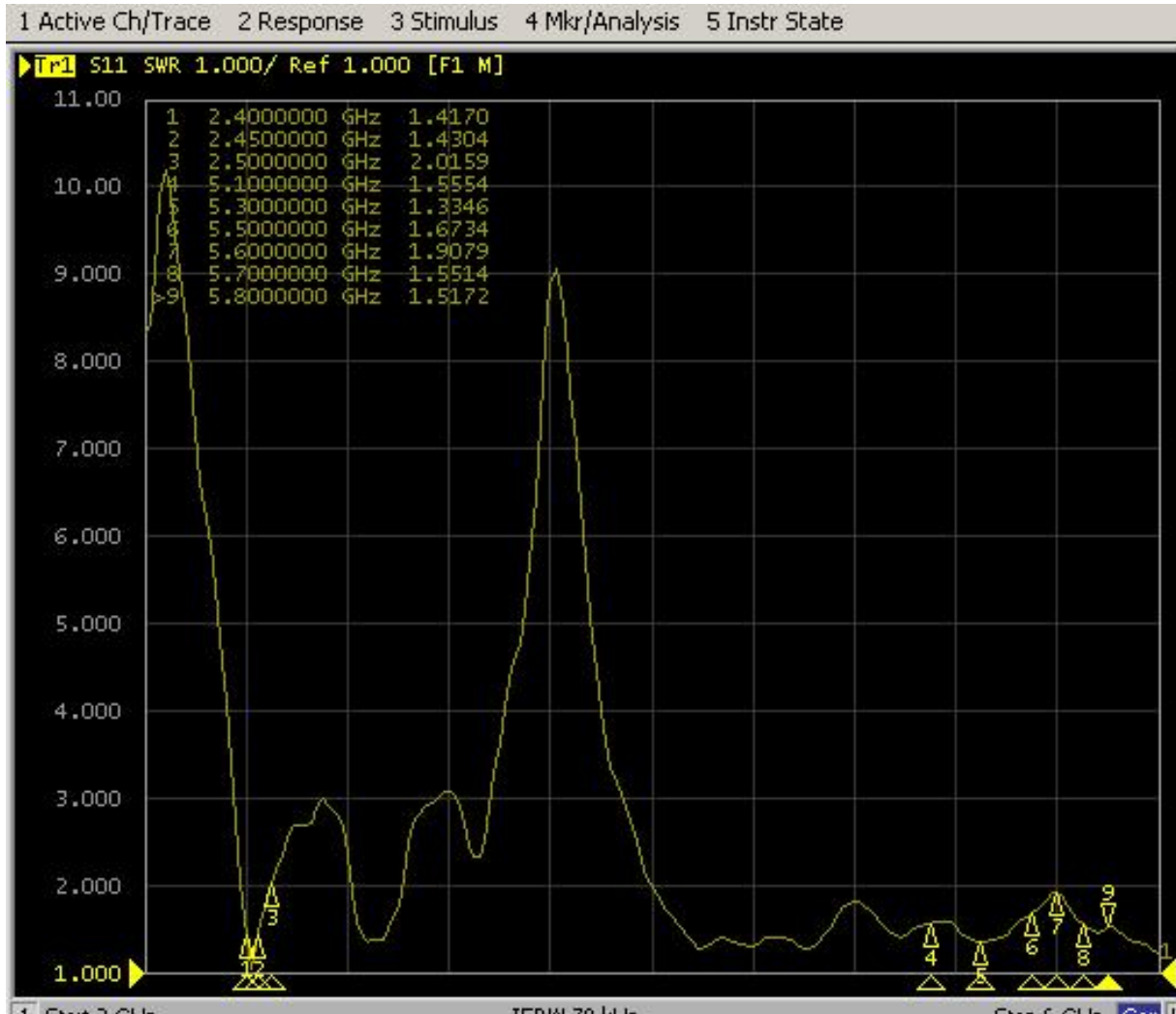
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2. Antenna performance

SWR



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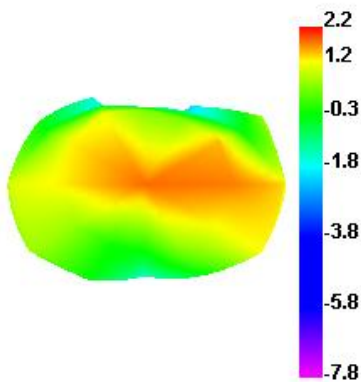
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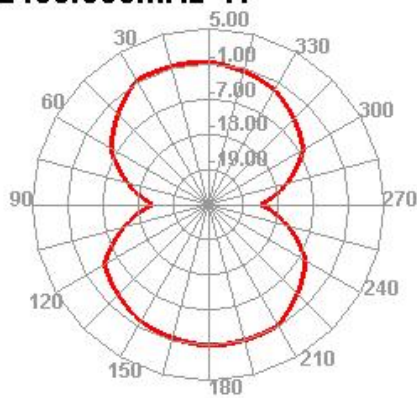
3. Antenna efficiency and gain

Passive Test For WIFI2.4		
Freq (MHz)	Effi (%)	Gain (dBi)
2400	65.61	2.17
2410	62.34	1.99
2420	55.66	1.55
2430	53.63	1.32
2440	55.67	1.55
2450	58.85	2.1
2460	55.76	2.02
2470	59.31	2.45
2480	59.02	2.43
2490	58.59	2.33
2500	57.31	2.25

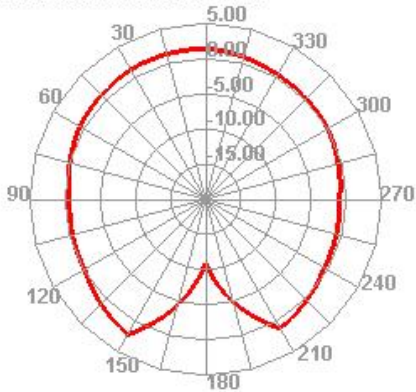
2400.000MHz



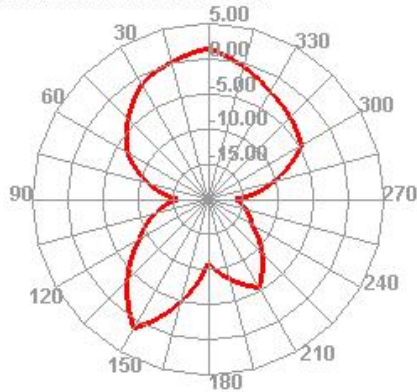
2400.000MHz H



2400.000MHz E1



2400.000MHz E2



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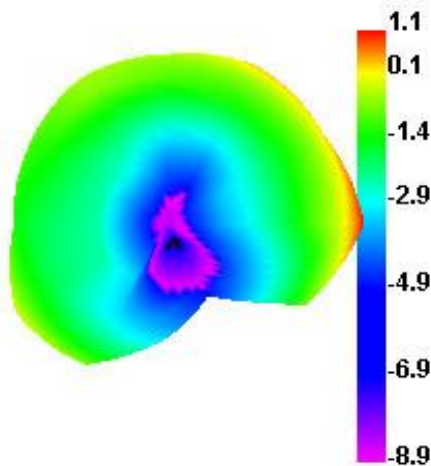
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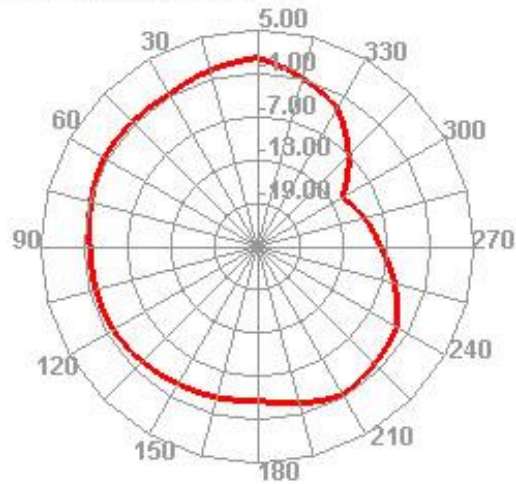
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Passive Test For WIFI5.8		
Freq (MHz)	Effi (%)	Gain (dBi)
5150	35.41	1.12
5250	48.06	1.86
5350	52.46	2.14
5450	62.25	2.46
5550	55.69	1.9
5650	59.7	2.36
5750	63.78	2.49
5850	57.53	1.92

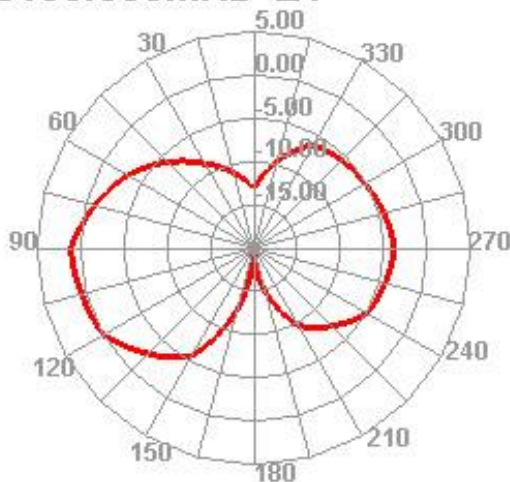
5150.000MHz



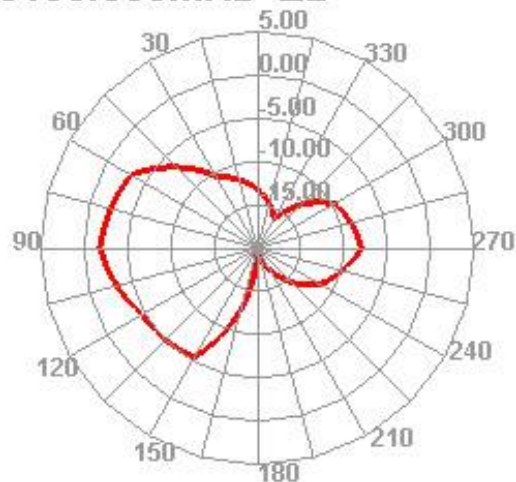
5150.000MHz H



5150.000MHz E1



5150.000MHz E2



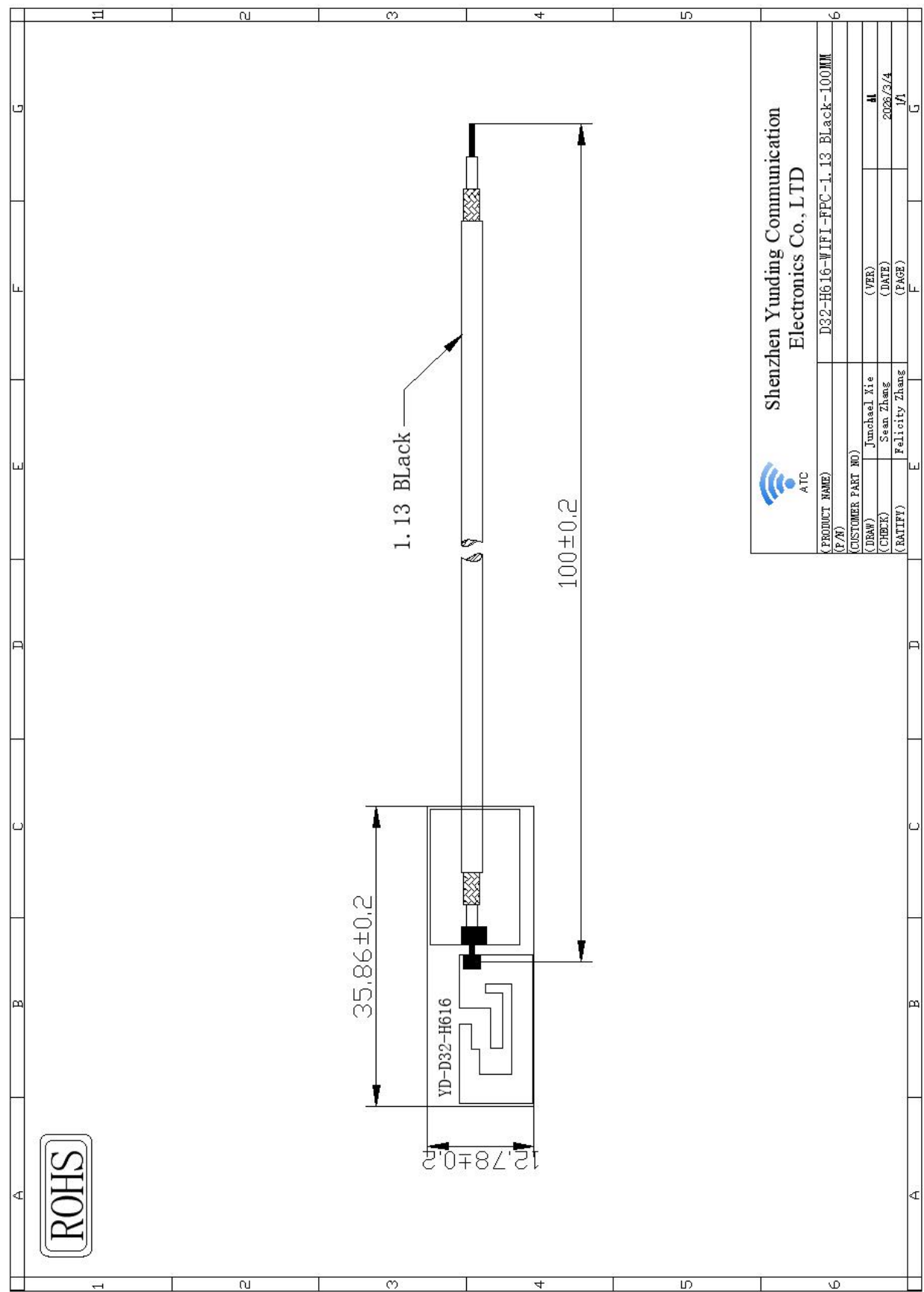
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4. Antenna structure diagram:



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5. Antenna Assembly Drawing



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Technical parameters of electrical appliances

Electrical Specifications

Frequency Range	2400~2500/5100~5800MHz
VSWR	≤ 2.0
Input Impedance	50 Ω
Gain	2.5 DBI

Mechanical Specifications

Antenna color	Black
Input connector	OPen
Antenna length	100mm
Working Temperature	-40℃~+85℃
Working Humidity	20~80%

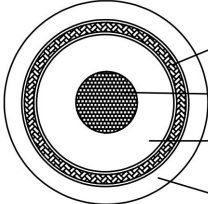
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1.13 (Product Specifications) Drawing NO:20190103022

(Nomenclature)	(Structure)	(Specification)
(Conductor)	(Material)	Tinned stranded copper
	(Construction)	7/0.08±0.005mm
(Insulation)	材质 (Material)	FEP
	(Color)	Natural color
	(Overall dia)	0.68±0.02mm
	(Thickness Avg)	0.22mm
	(Thickness Min)	0.15mm
(Filler)	(Material)	/
(Binder)	(Material)	/
	遮蔽率 (Overlap)	/
(BRAID)	(Material)	Tinned conductor
	(Construction)	16/4/0.05TC±0.005mm
(Jacket)	(Material)	FEP
	(Color)	Optional
	(Overall dia)	1.13±0.05mm
	(Thickness Avg)	0.15mm
	(Thickness Min)	0.10mm
(Marking)	No Marking /	
(Electrical & physical property)	(Rating Temp. Voltage)	80℃ 30V
	(Conductor Resistance)	600 Ohm/km
	(Impedance)	50±5 Ohm
	(Flame test)	VW-1
 weave conductor insulation jacket		

Approved By: Riverchen

Checked By:John

Drawn By:Kunliu