



Dongguan RF Electronic Technology Co.,Ltd
Address: No.1, Qinghutou Sankeng Road, Tangxia Town, Dongguan City

Fax: 0769-38940199

Telephone: 0769-38940168
Website: www.rflink.net.cn

PRODUCT SPECIFICATION

Product Name: 5GHz PCB built-in antenna L=80mm+ terminal

Rflink P/N: U00T02S000N00716

Internal Structure: PCB

Rev: A

Date: 2022-10-14

	RFLNK	CUSTOMER
APPROVED:	Yao Ding Jun	
CHECKED:	Huang Chao	
MADE:	Yang Zhen	



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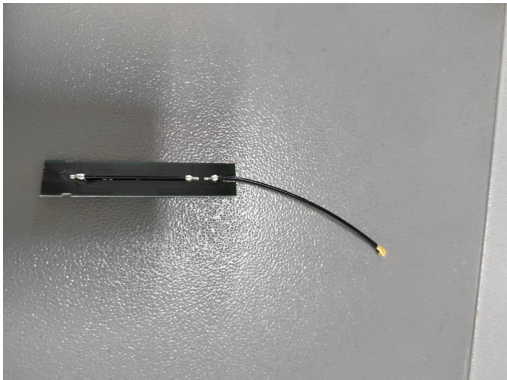
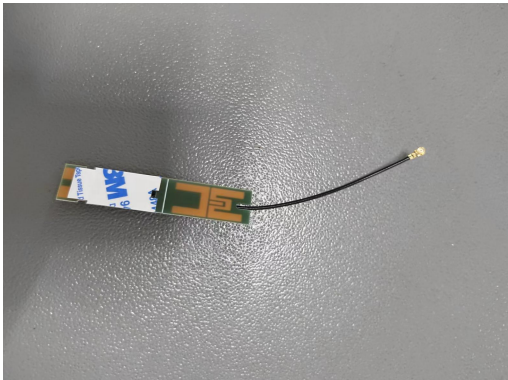
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1.Datasheet

(Electrical Specification)			
Working Frequency (MHz)	5150-5850	System Impedance (Ω)	50
Working Bandwidth (MHz)	100	Return Loss (dB)	≤ -9.5
VSWR	≤ 2.0	Peak Gain (dBi)	5.29
Average Gain (dBi)	/	Radiation Efficiency (%)	/
Radiation Directivity	Omni-directional	Out of Roundness (dBi)	/
Polarization	Linear, Vertical	Power Capacity (w)	10
(Mechanical Specifications)			
Dimensions(mm)	66*13	Plastic Color	/
Plastic Material	/	Cable Category	$\Phi 1.37$ Cable
Radiator structure	PC	Connection Type	MHF Plug
Working Temperature	$-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$	Storage temperature	$-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$
			

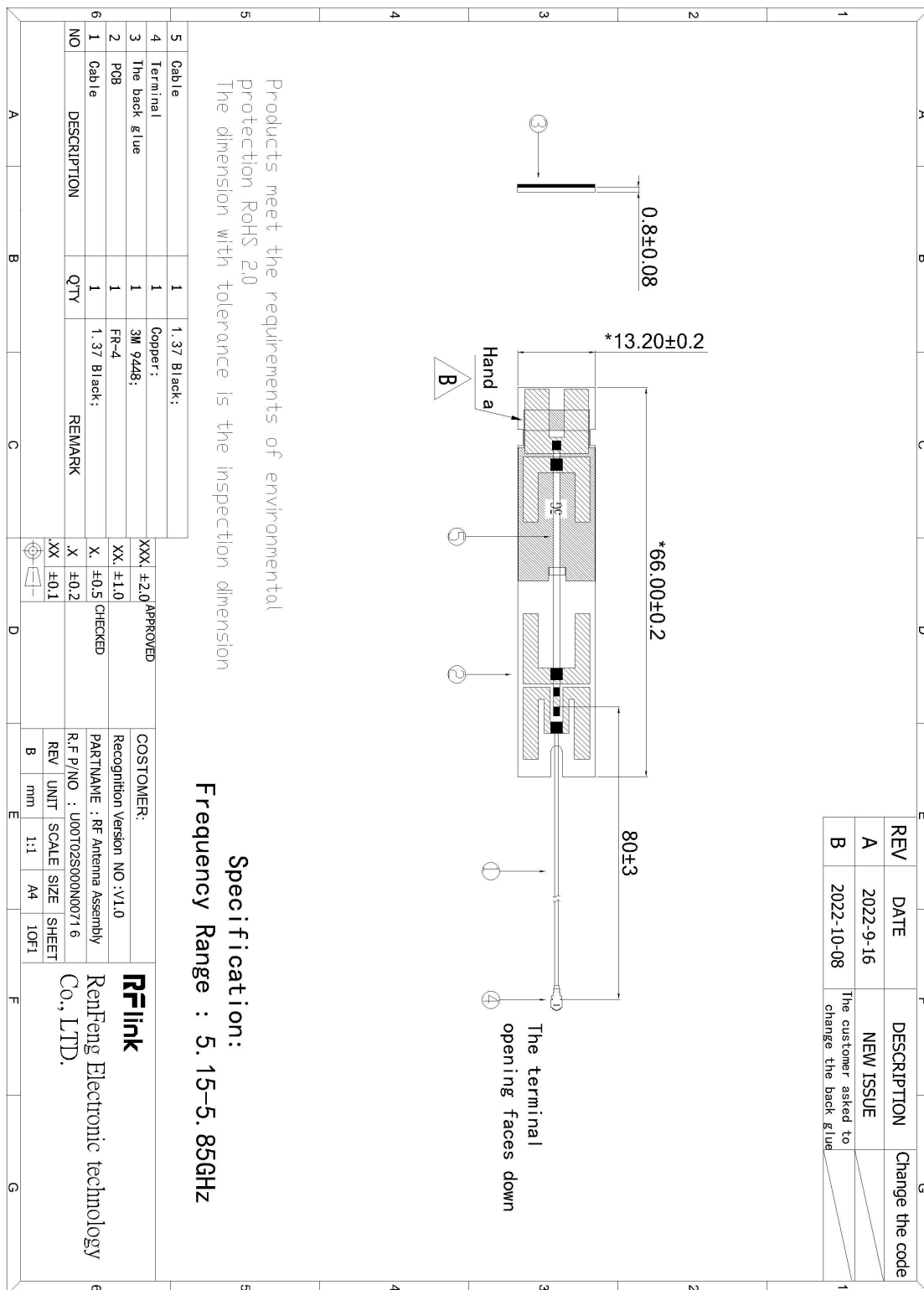
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2. Dawing

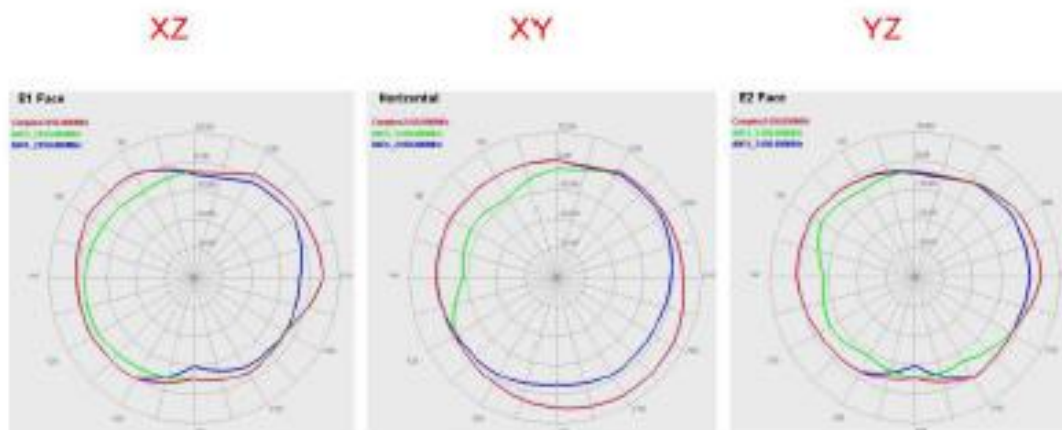


4、Testing report

4.1 Network analyzer test report



3.2: Darkroom 2D and 3D Radiation Pattern



Frequency(MHz)	Efficiency(%)	Peak Gain (dBi)
5150	77.05	5.09
5500	76.66	5.11
5850	78.66	5.29



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PRODUCT SPECIFICATION

Product Name: 2.4GHz PCB built-in antenna L=170mm+ terminal

RFLink P/N: U00T02S000N00719

Internal Structure: PCB

Rev: A

Date: 2022-10-14

	RFLNK	CUSTOMER
APPROVED:	Yao Ding Jun	
CHECKED:	Huang Chao	
MADE:	Yang Zhen	



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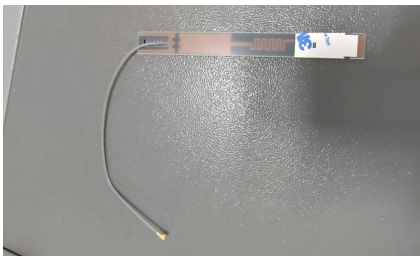
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1.Datasheet

(Electrical Specification)			
Working Frequency (MHz)	2400-2500	System Impedance (Ω)	50
Working Bandwidth (MHz)	100	Return Loss (dB)	≤ -9.5
VSWR	≤ 2.0	Peak Gain (dBi)	5.21
Average Gain (dBi)	/	Radiation Efficiency (%)	/
Radiation Directivity	Omni-directional	Out of Roundness (dBi)	/
Polarization	Linear, Vertical	Power Capacity (w)	10
(Mechanical Specifications)			
Dimensions(mm)	66*13	Plastic Color	/
Plastic Material	/	Cable Category	$\Phi 1.37$ Cable
Radiator structure	PC	Connection Type	MHF Plug
Working Temperature	$-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$	Storage temperature	$-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$
			

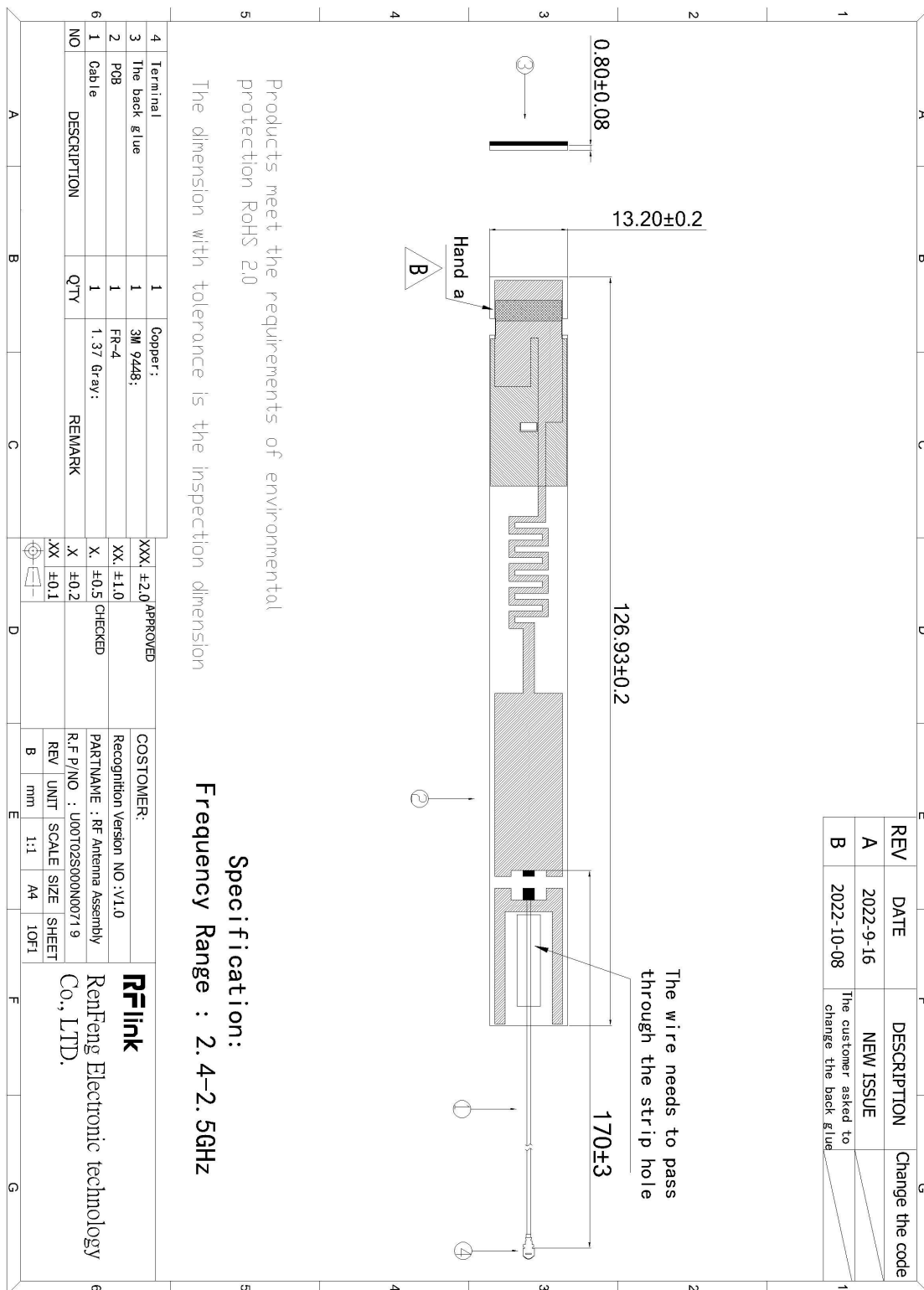
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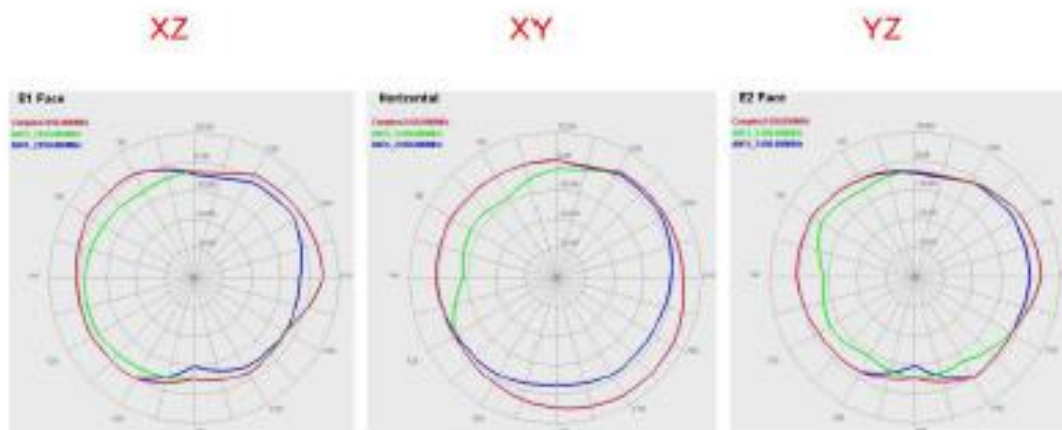


4、 Testing report

4.1 Network analyzer test report



3.2: Darkroom 2D and 3D Radiation Pattern



Frequency(MHz)	Efficiency(%)	Peak Gain (dBi)
2400	77.15	5.21
2450	76.47	5.09
2500	78.16	5.12