

样品承认书

Confirmation of products

客户名称 Customer	Shenzhen Reolink Technology Co., Ltd.				
项目名称 Project Name	SD8-N	版本 Version	A. 2	日期 Date	2023-11-24
项目料号 Project NO.	03. 05. 01. 006	客户料号 Customer NO.	54. 07. 001. 0111A		
频段 Frequency Range	2400~2500MHz 5100~5800MHz	备注 Notes	WIFI-2		
设计 Designed By					
审核 Approved By					
客户确认 Clients' Approval					

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1、Specification

This report mainly provides the testing conditions of various electric and structural performance parameters for cell phone antenna ----SD8-N Picture 1 shows the antenna designed by LR.



2、 VSWR Testing

2.1 Testing connection

The **Return Loss** testing devices are connected in sequence: Agilent5071C Network Analyzer →Testing Cable → Customer-providing Devices.

2.2 VSWR

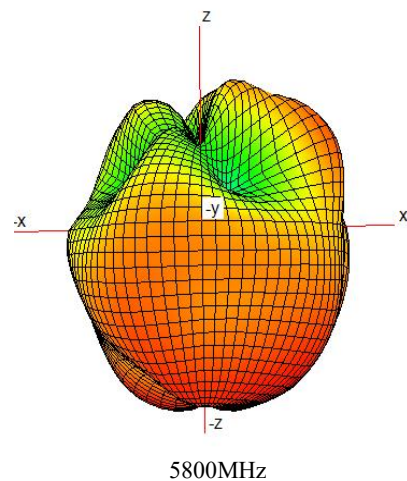
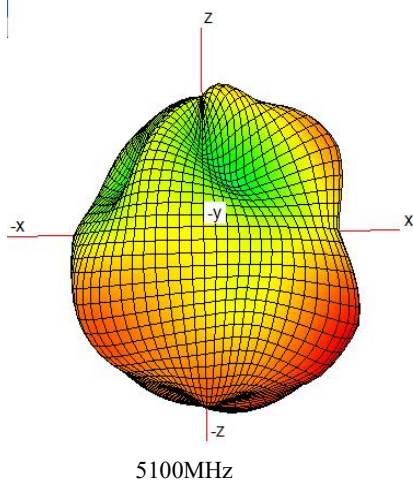
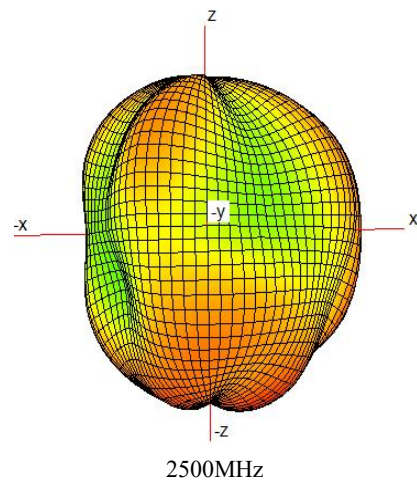
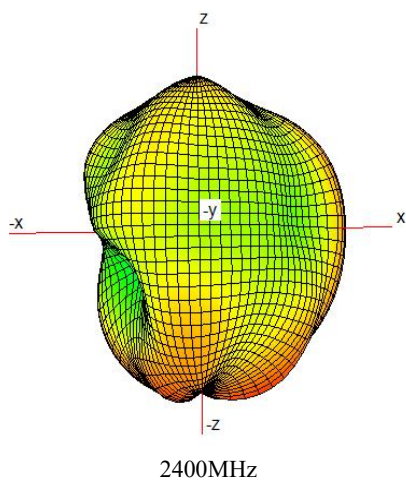
The following table expresses the vswr value of antenna's two edges of its frequency range. With regard to the relevant diagram of VSWR

SD8-N WIFI VSWR				
Frequency (MHz)	2400	2500	5100	5800
VSWR	1.18	1.10	1.79	1.24

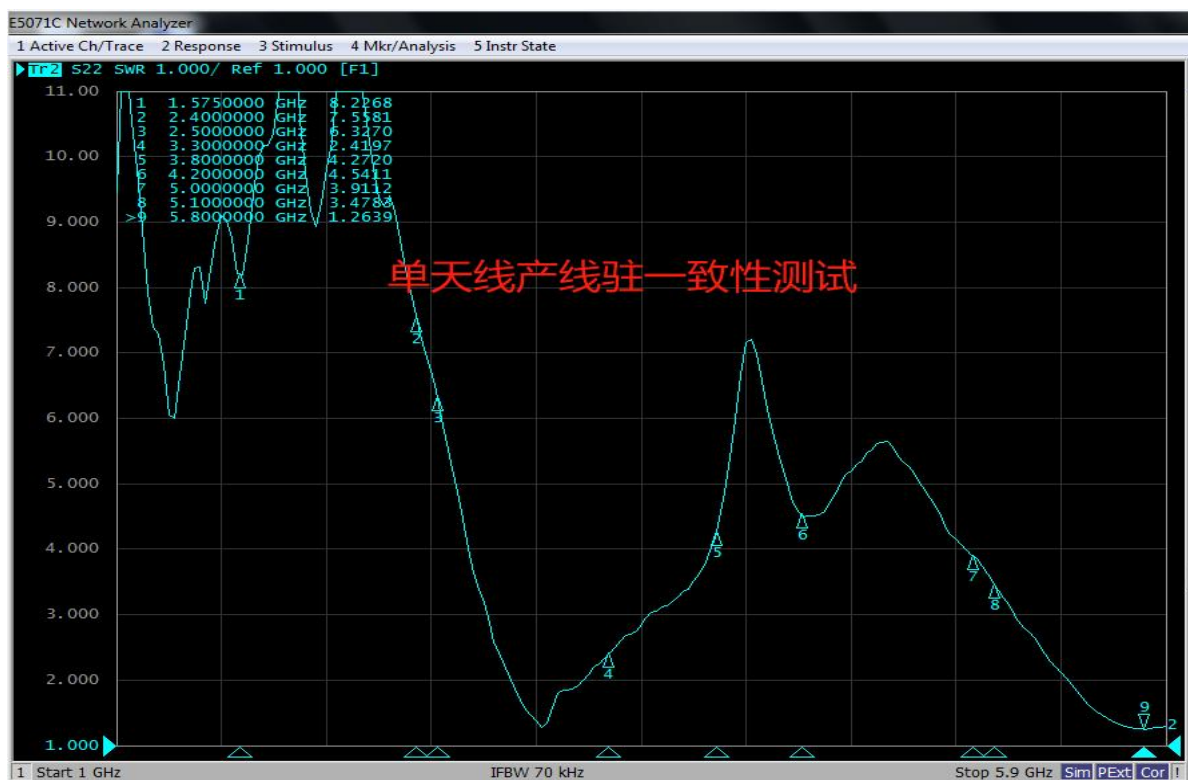
2.3 Testing data



2.4+5.8G WIFI antenna VSWR



2.4 Single antenna test VSWR



3、 Power、 Sensitivity Testing

3.1 Testing field

LR Microwave Anechoic Chamber : testing frequency ranges from 400MHz to 6GHz and the 40cm diameter spherical quiet zone, the chamber provides less than -90dB reflectivity from 400MHz—6GHz.

3.2 Testing results

The following table indicates the testing results related to Power and Sensitivity in Microwave Anechoic Chamber, concerning the relative diagram.

3.3 Active testing.

SD8-N Antenna efficiency

Freq (MHz)	Gain	Efficiency (%)	Freq (MHz)	Gain	Efficiency (%)
2400	3.7	63.44	5360	4.0	61.23
2410	3.7	62.40	5380	3.3	59.23
2420	3.6	61.91	5400	3.5	60.05
2430	3.7	62.35	5420	3.1	59.54
2440	3.8	61.73	5440	2.8	60.66
2450	3.9	63.94	5460	2.8	60.16
2460	3.9	63.88	5480	2.6	59.25
2470	3.9	63.43	5500	2.6	56.65
2480	3.8	63.14	5520	2.4	54.12
2490	3.8	64.01	5540	2.5	56.58
2500	3.7	62.91	5560	2.7	58.01
5100	2.8	50.95	5580	2.5	56.77

5120	3.6	56.55	5600	2.8	56.96
5140	3.1	53.50	5620	2.6	56.04
5160	4.0	59.44	5640	2.8	56.96
5180	4.2	57.69	5660	2.0	53.41
5200	4.2	57.93	5680	2.8	57.91
5220	4.3	60.09	5700	2.2	55.41
5240	5.0	64.17	5720	2.8	58.69
5260	3.8	58.06	5740	2.5	52.60
5280	4.3	61.68	5760	2.9	56.49
5300	4.1	60.78	5780	3.0	57.46
5320	3.5	55.99	5800	2.9	57.57
5340	3.6	60.69			

SD8 Active data

WIFI 1+WIFI 2			
	chNO	TRP	TIS
11B-11M	1	18.62	
	6	19.05	
	11	20.1	-82.01
11A-54M	36	18.35	
	56	18.2	
	165	18.4	-73.05
11g-54M	1	17.52	
	6	17.64	
	11	17.78	-68.57

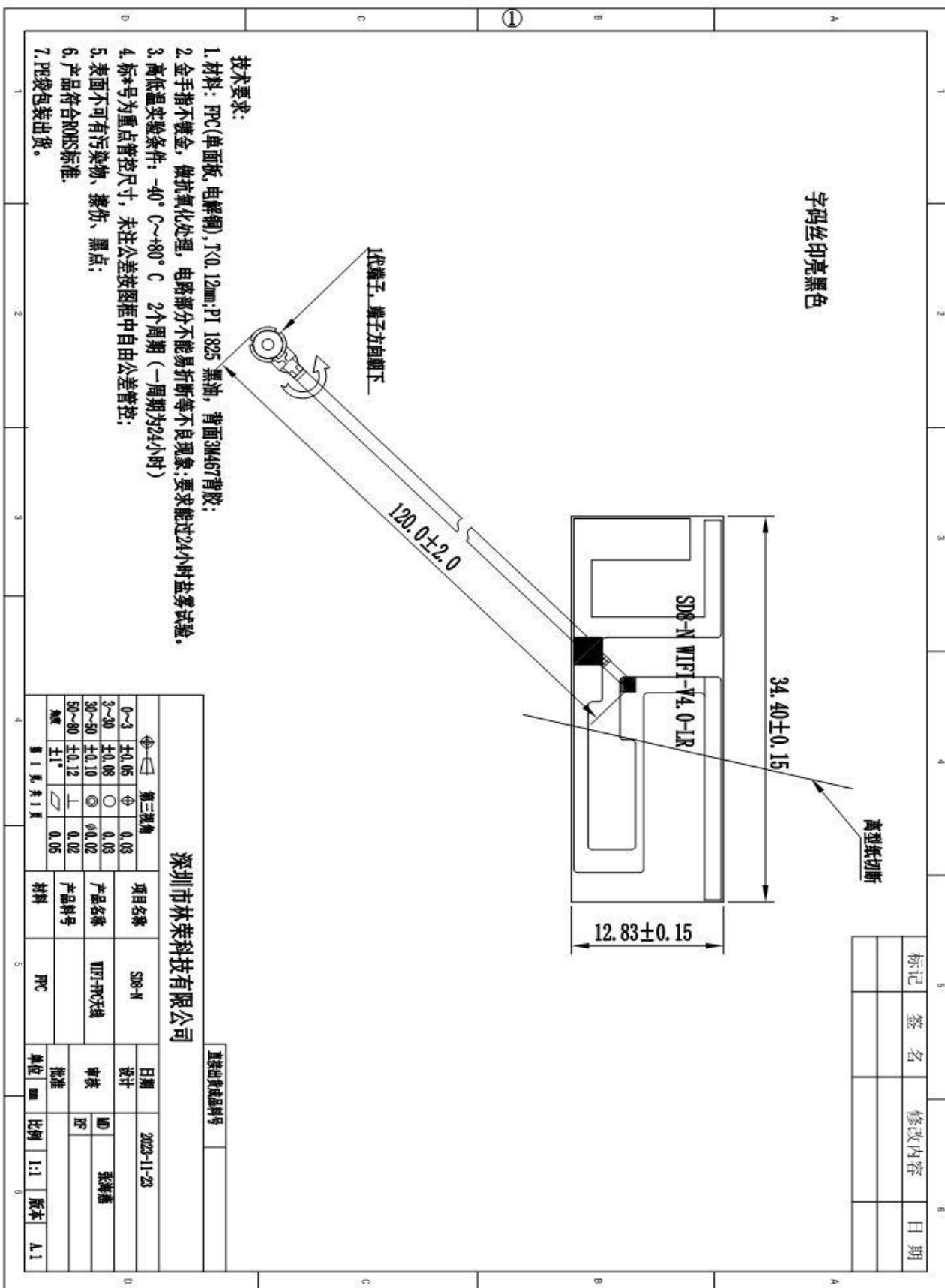
WIFI 2			
	chNO	TRP	TIS
11B-11M	1	17.52	
	6	17.43	
	11	17.85	-81.15
11A-54M	36	17.46	
	56	16.78	
	165	17.82	-75.74
11g-54M	1	16.43	
	6	16.65	
	11	17.83	-68.12

4、Environmental treatment

Antenna mounting diagram



5、Mechanical Dimension Drawing



6. Mechanical Dimension Testing report

全尺寸测量报告

[illegible]

7. Packaging standard

包装说明：具体包装数量以实物为准，图片只显示包装的方式，并非此项目实物。

Packaging Description: the specific packaging quantity is subject to the physical object. The picture only shows the way of packaging, not the physical object of the project



天线用 PE 袋包装

The top cover board, with PE film packaging



防潮防水 PET 袋封装，放于纸箱或胶筐内

Moistureproof waterproof PET bag packaging,
Put in the cartons



纸箱用胶带封口

Carton sealing with duct tape



包装箱整箱外观 ()

Cases appearance