

物 料 承 认 书

OA 流程编码:		
适用机型/PCBA:		SD13
供应商	公司名称:	深圳市得自在科技有限公司
	生产商/品牌:	
	规格型号:	SD13-外置天线组件WIFI版白色SD13-外置天线组件WIFI版白色/超声波焊接/防水(至少满足泡水30CM/48H)/天线厂自供天线
睿联	物料编码:	53.05.004.0014
	物料名称:	SD13-外置天线组件WIFI版白色
	规格型号:	SD13-外置天线组件WIFI版白色SD13-外置天线组件WIFI版白色/超声波焊接/防水(至少满足泡水30CM/48H)/天线厂自供天线

承认信息	承认原因:						
	承认类型:	☐ 新物料（新产品或新方案用料，随新产品或方案验证）					
		☐ 替代料（供应商备份/降成本）					
		☐ 物料变更（物料升级/优化问题/资料更新）					
承认安排	研发软件:	☐ 杨学政					
	产品经理:	☐ 王桂星 ☐ 李久明 ☐ 张军 ☐ 陈磊 ☐ 陈勇 ☐ 方壮海					
	研发 ID:	☐ 赵红卫					
	研发硬件:	☐ 唐磊 ☐ 蒋文涪 ☐ 陈南忠 ☐ 肖铭健 ☐ 谢忠儒 ☐ 余深伟 ☐ 叶茂					
	研发结构:	☐ 范长华 ☐ 范远航 ☐ 程中阳 ☐ 黎立昆 ☐ 李新洋 ☐ 覃章辉 ☐ 贾红毅 ☐ 兰良生					
	工程 NPI:	☐ 张建锋 ☐ 曹东平 ☐ 沈存 ☐ 李忠稳 ☐ 金星 ☐ 刘加明 ☐ 汪建					
	工程包装:	☐ 肖婷 ☐ 梁继锋					
	SQE:	☐ 罗志伟 ☐ 杜文成 ☐ 尹喜成 ☐ 刘菲 ☐ 汪庭芝					
	营销部:	☐ 余罗艳 ☐ 文瑜 ☐ 郭慧 ☐ 张婉莹 ☐ 黄珣 ☐ 汤曼 ☐ 蓝晓晴 ☐ 龚梦玲 ☐ 祖儿 ☐ 李莎 ☐ 文萍 ☐ 思彤					
是否小批:		☐ 是 ☐ 否					
送样数量:		送样日期:		审核:		送承认:	

承认测试数据/结果					
样品 承 认	研 发	☐测试 OK ☐测试 OK，小批及批量需改善 ☐测试 NG ☐审核 OK ☐审核 NG 测试人： _____ 审核： _____			
	营 销	☐测试 OK ☐测试 OK，小批及批量需改善 ☐测试 NG ☐审核 OK ☐审核 NG 测试人： _____ 审核： _____			
	工 程	☐测试 OK ☐测试 OK，小批及批量需改善 ☐测试 NG ☐审核 OK ☐审核 NG 测试人： _____ 审核： _____			
	品 质	☐测试 OK ☐测试 OK，小批及批量需改善 ☐测试 NG ☐审核 OK ☐审核 NG 测试人： _____ 审核： _____			
小 批 验 证	工 程	☐测试 OK ☐测试 OK，小批及批量需改善 ☐测试 NG ☐审核 OK ☐审核 NG 测试人： _____ 审核： _____			
	品 质	☐测试 OK ☐测试 OK，小批及批量需改善 ☐测试 NG ☐审核 OK ☐审核 NG 测试人： _____ 审核： _____			
签 发		批准： _____ 日期： _____			

SPECIFICATION FOR APPROVAL

Customer	Reolink
Project Name	SD13
Customer NO.	53.05.004.0014
specification	Housing Antenna Assembly
Supplier NO.	N12-9441-ROA
Specification NO.	
Write by	Hongliang. Zhou
REV.	Ver.1
Date	2024/07/09
Note	

CUSTOMER APPROVED BY		
Approved by	Checked by	Prepared by
SUPPLIER APPROVED BY		
Approved by	Checked by	Prepared by

Record of version changes				
Date	Content of Change	Version	Change	Prepared
2024. 07. 09	First sample seal	Ver.1		Zhou

1. Index

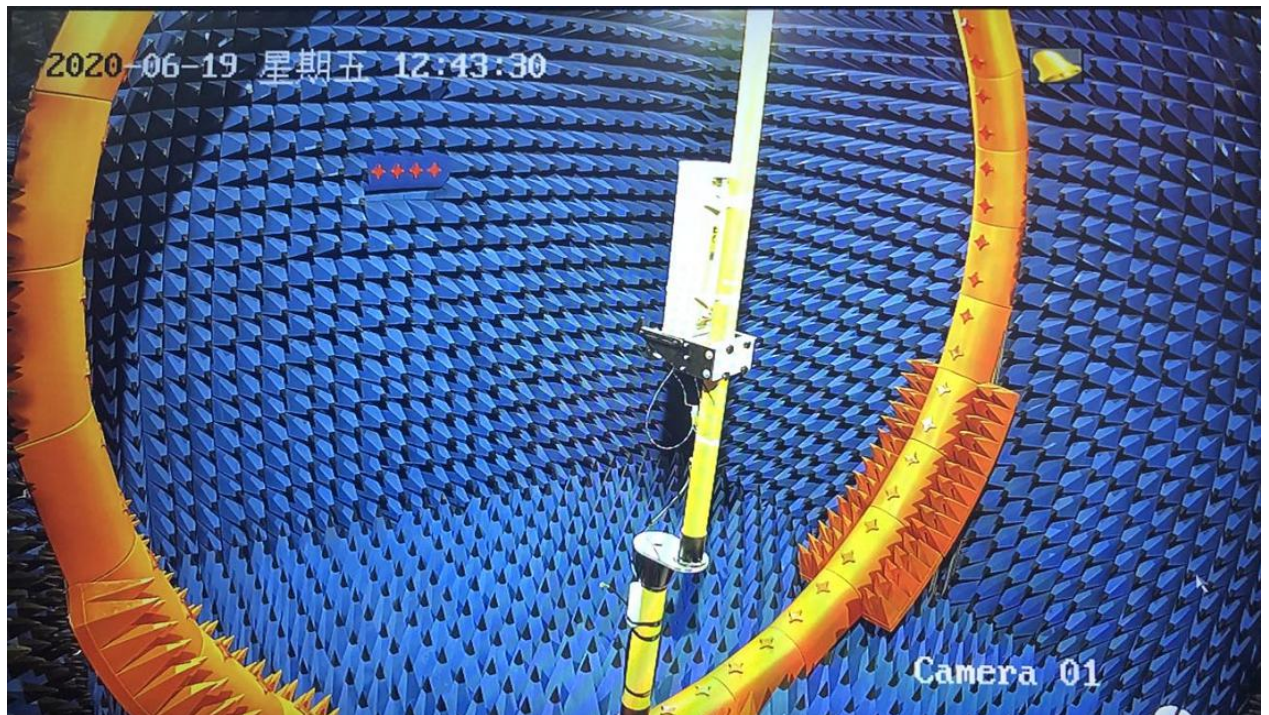
Serial No.	Content	Page
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2. Test Equipment & Conditions

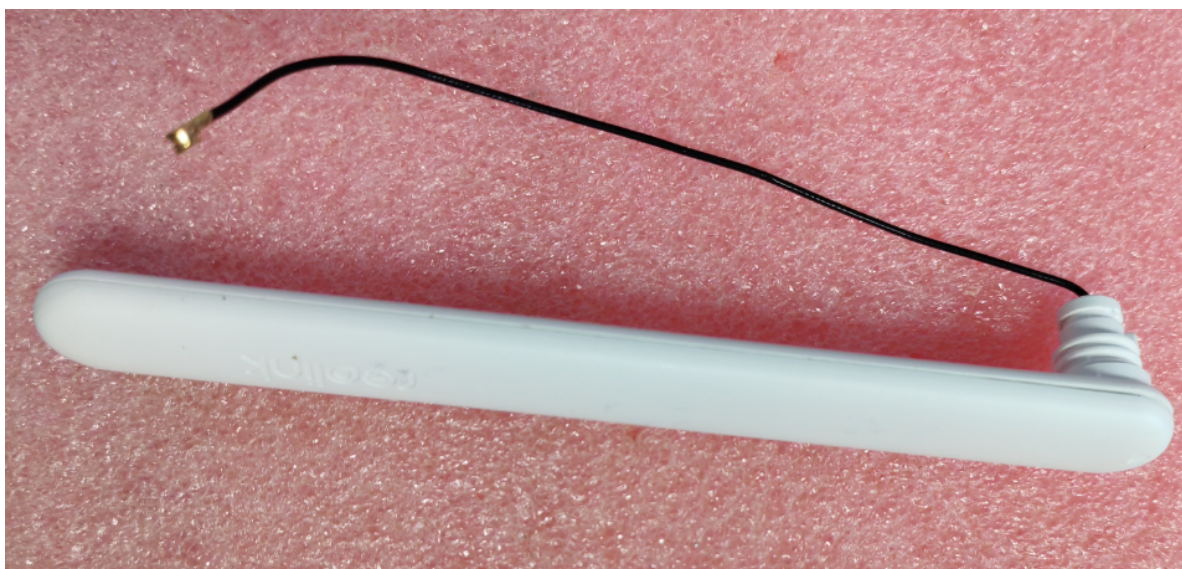
2.1. Network Analyzers : KEYSIGHT P5002A

2.2. Communications Test Set: R&S CMW 500

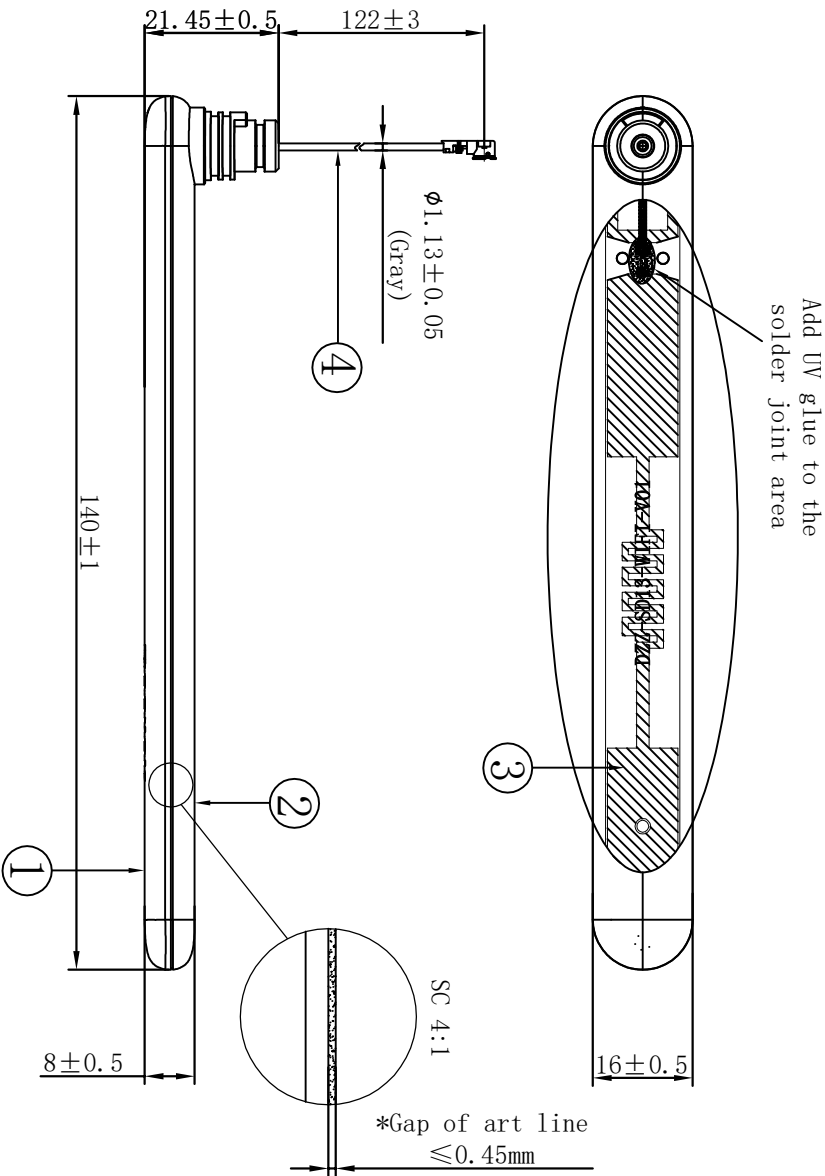
2.3. 3D Chamber Test System: 64 Probe Test system



3. Mechanical instruction



Rev	Description	Date	Remark
A	New drawing		



Technical requirements:

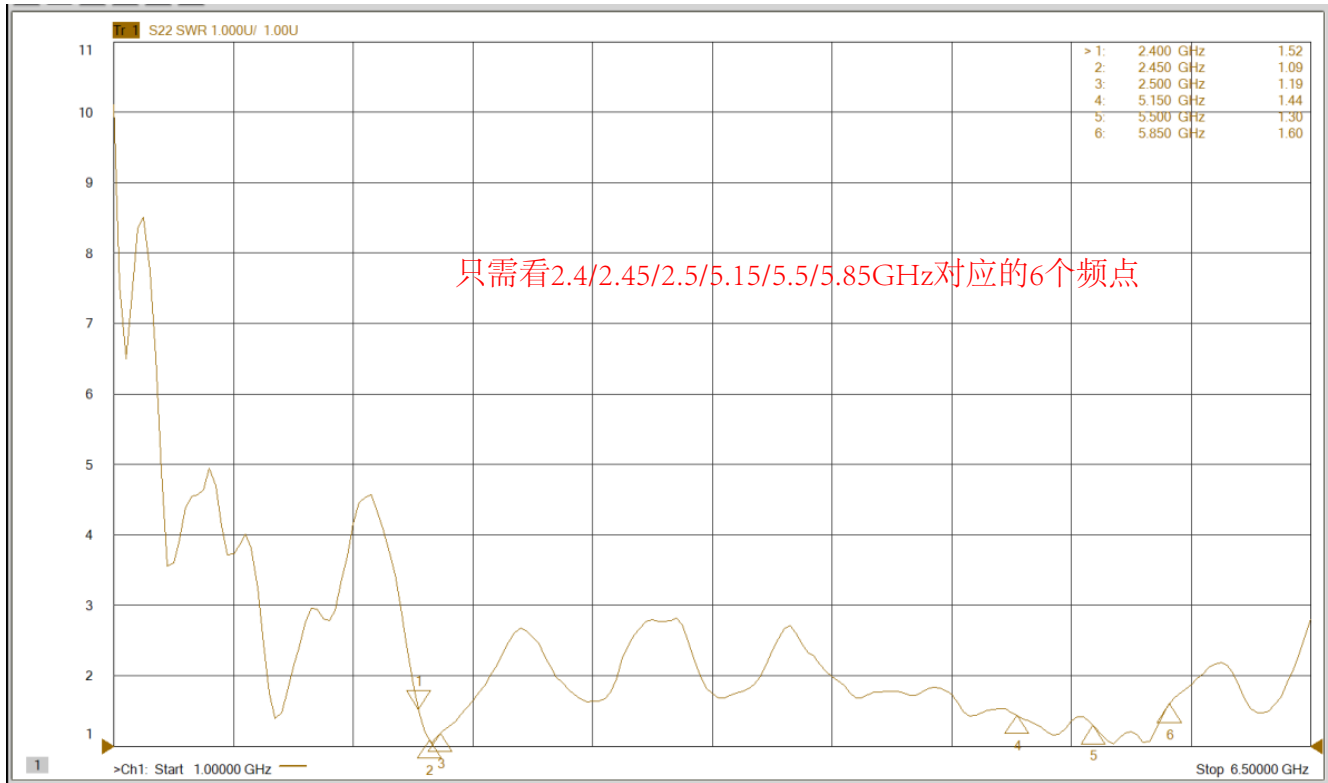
1. The size marked with "*" is the key control size;
2. Unmarked dimensions shall be in accordance with the drawings;
3. All components must comply with RoHS requirements;
4. The finished product needs to be fully inspected for performance.

Be-Comfortable ——得自在——										深 圳 市 得 自 在 科 技 有 限 公 司 SHEN ZHEN BE-COMFORTABLE TECHNOLOGY CO., LTD													
		Third Angle		Project		SD13 WIFI Antenna		Date		2024-07-20													
0~10		±0.05		○		0.02		Part Name		WIFI Antenna		Designed by		李海波									
10~18		±0.10		◎		φ0.03		Part No.		NI2-944I-R0A		Checked by		RF		周洪亮							
18~30		±0.12		⊥		0.02		Material		/				PE									
30~40		±0.15				0.04		DWG No.		NI2-944I-R0A		Approved by											
40~		±0.20		Angle		±0.5°						Unit		mm		Scale		1:1		Rev		A	
Location																							
5					6					7					8								

4		RF cable		1.13 gray wire, RF 1 PLUG		Gray		/		1			
3		PCB		FR4		Black		/		1			
2		Lower shell		ABS+PC		White		/		1			
1		Upper shell		ABS+PC		White		/		1			
No.		Name		Material		Color		Treatment		Amount		Remark	
1													

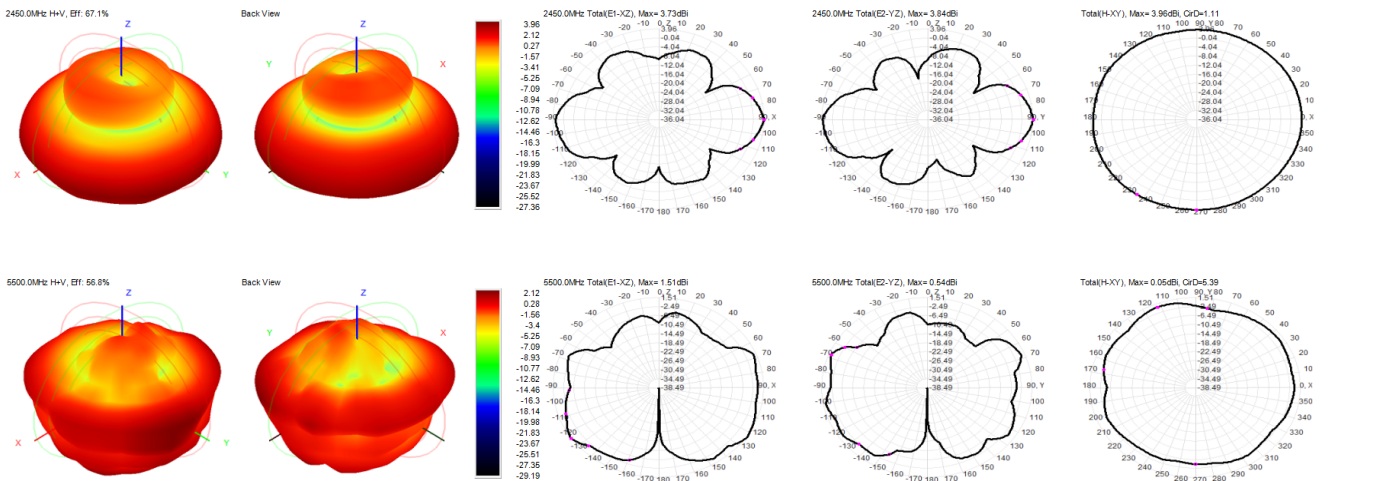
4. S11-WIFI-ANT only

Antenna standing wave less than 2.5



5. 增益/效率/3D图(Gain & Efficiency& 3D Pattern)-ANT only

Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0				
Gain (dBi)	3.72	4.05	4.06	3.81	3.82	3.96	3.92	4.11	4.40	3.88	3.63				
Efficiency (%)	63.47	66.33	67.71	68.49	67.03	67.12	67.35	70.42	73.46	70.75	69.81				
Frequency (MHz)	5150.0	5200.0	5250.0	5300.0	5350.0	5400.0	5450.0	5500.0	5550.0	5600.0	5650.0	5700.0	5750.0	5800.0	5850.0
Gain (dBi)	3.42	3.31	3.24	3.40	3.31	2.66	2.65	2.12	2.29	2.89	3.31	3.07	2.79	2.78	2.68
Efficiency (%)	64.17	65.20	67.05	69.07	68.00	62.66	61.16	56.80	57.25	58.35	60.63	62.35	60.67	61.26	65.52



Packaging method

DATE: 2024-07-09

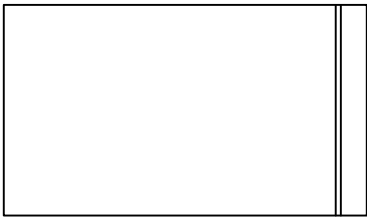
page: 1 of 1

Product: WIFI Antenna	Edition: A
	Customer: Reolink

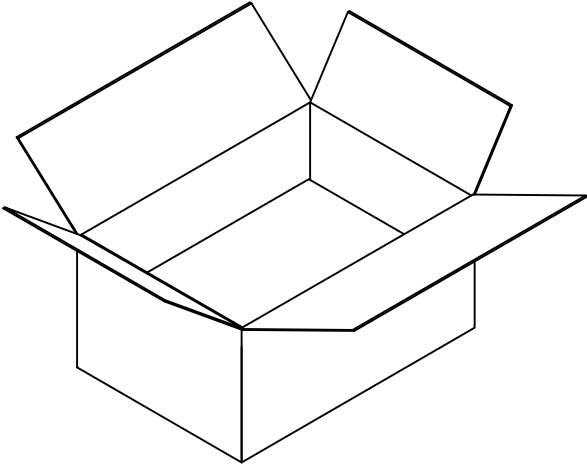
一: Antenna

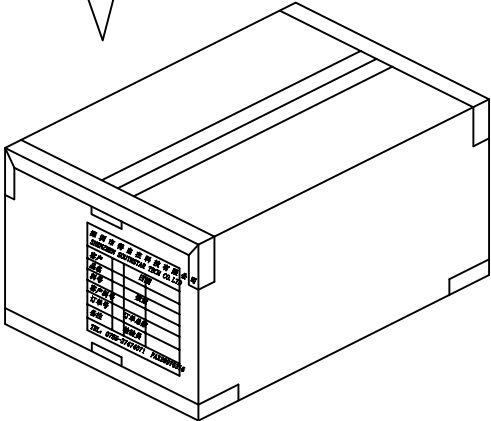


2: Bagging: Each PE bag contains 50PCS of products.



3: Packing:
Pack one box every 12 bags, with a total of 600PCS of products (based on actual packaging).





4: Seal the box:
attach production labels and ROHS labels to the outer box.

Approval: _____

Confirm: _____

Preparation: 李海波