

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

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2. Test Equipment & Conditions

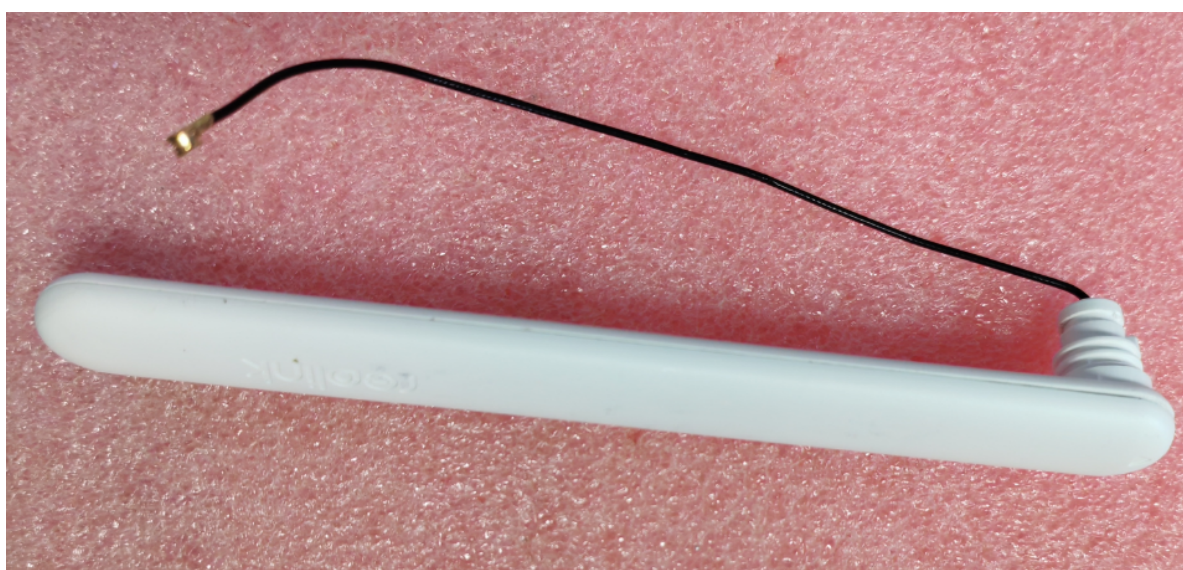
2.1. Network Analyzers : KEYSIGHT P5002A

2.2. Communications Test Set: R&S CMW 500

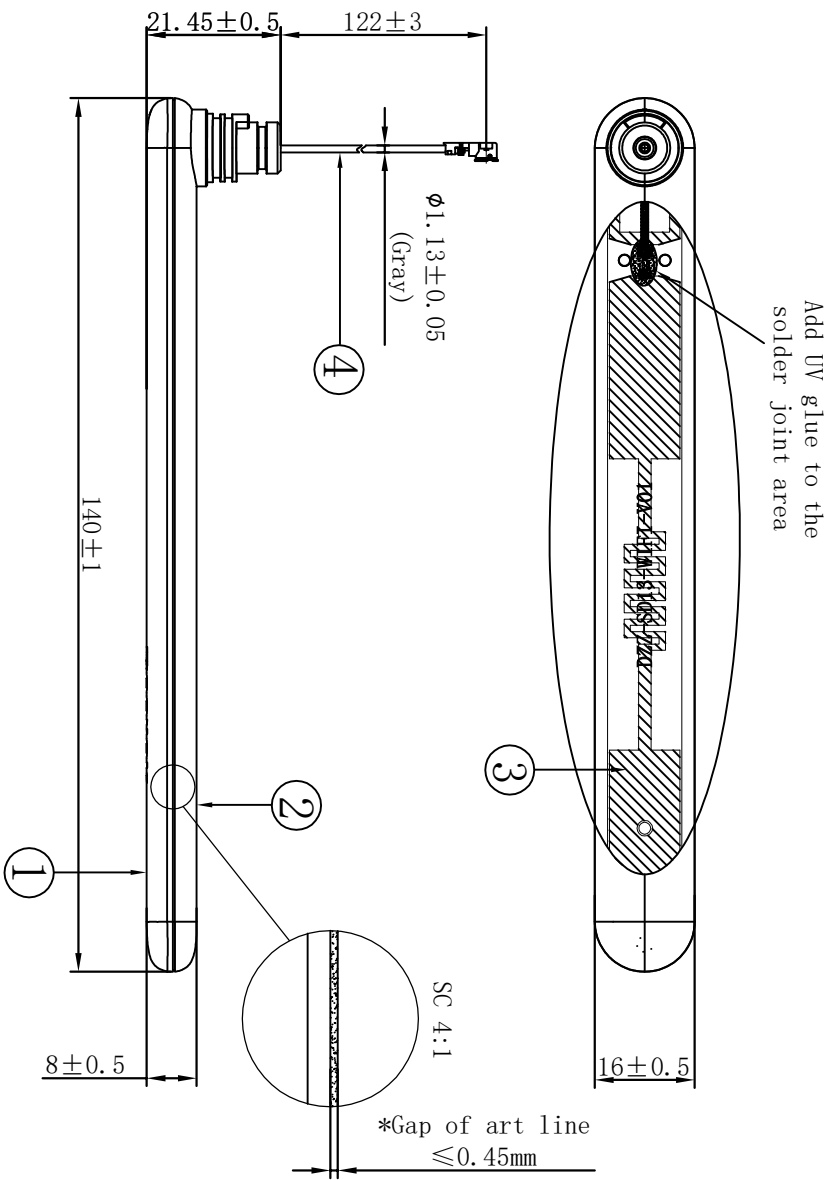
2.3. 3D Chamber Test System: 64 Probe Test system



3. Mechanical instruction



Rev	Description	Date	Remark
A	New drawing		



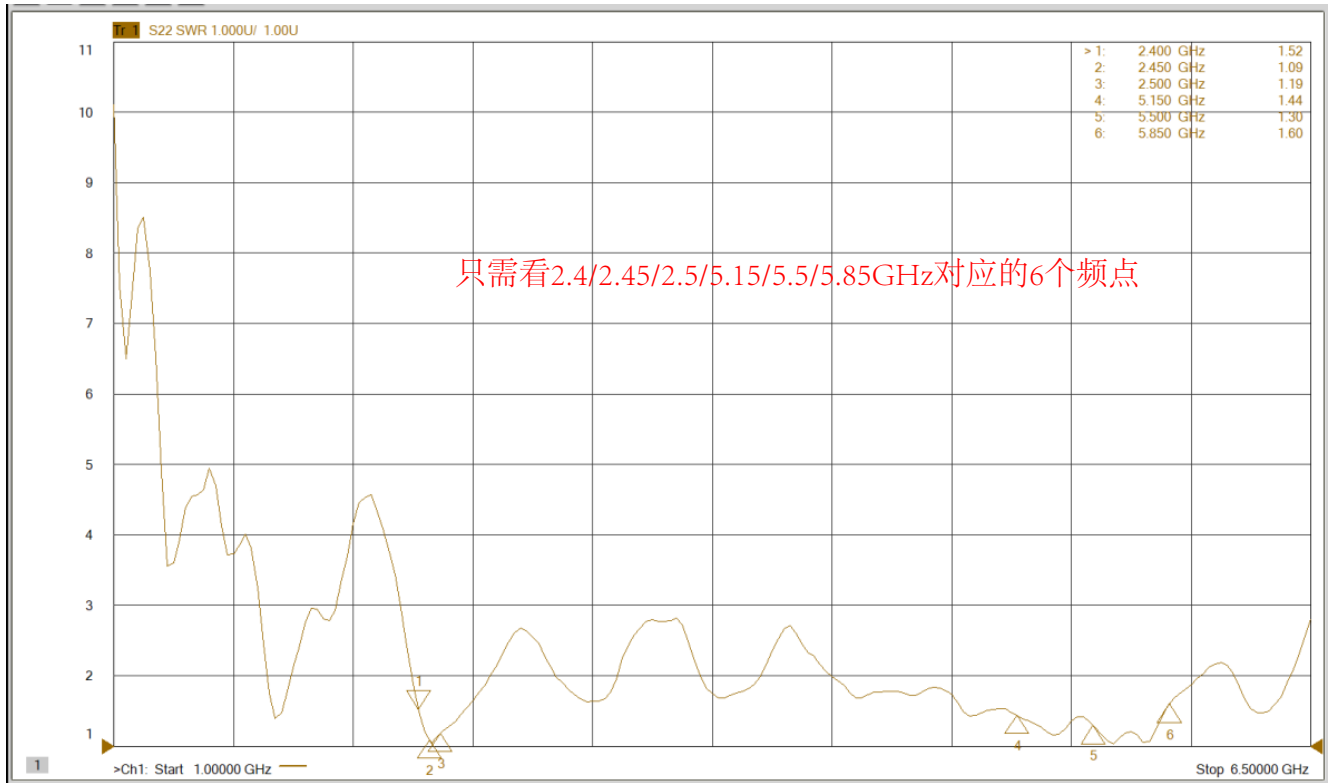
Technical requirements:

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										深圳市得自在科技有限公司			
——得自在——										SHEN ZHEN BE-COMFORTABLE TECHNOLOGY CO., LTD			
Third Angle										Date			
Project										SD13 WIFI Antenna			
Part Name										WIFI Antenna			
Part No.										N12-9441-R0A			
Material										/			
DWG No.										N12-9441-R0A			
Location										Angle			
0~10										±0.05			
10~18										±0.10			
18~30										±0.12			
30~40										±0.15			
40~										±0.20			
Angle										±0.5°			
Unit										mm			
Scale										1:1			
Rev										A			

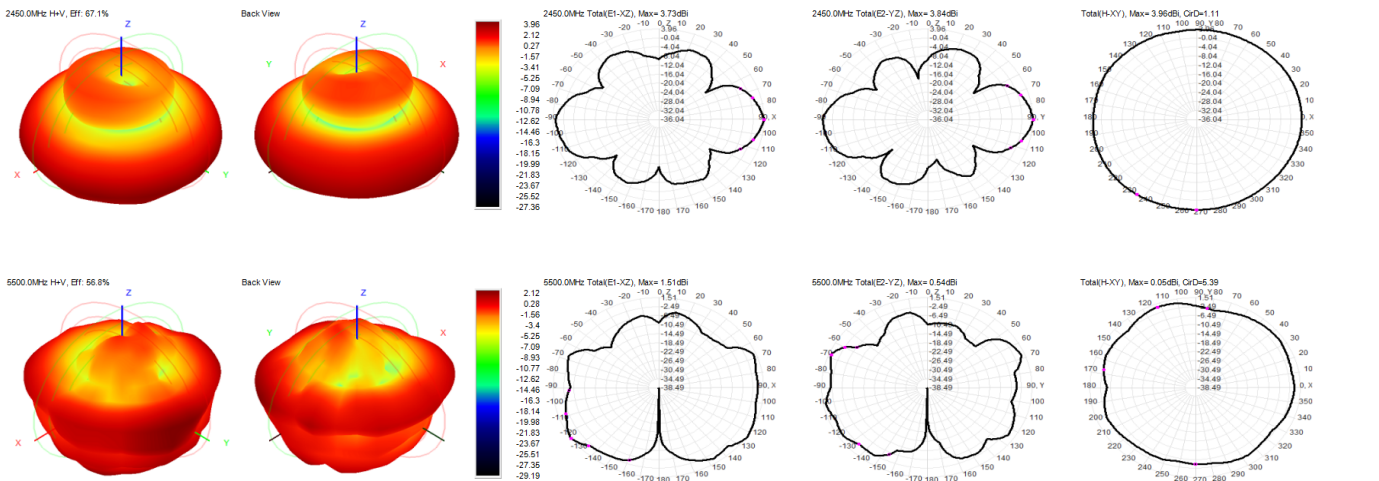
4. S11-WIFI-ANT only

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

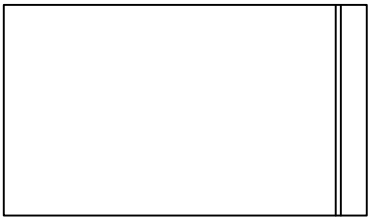
page: 1 of 1

Product: WIFI Antenna	Edition: A
	Customer: Reolink

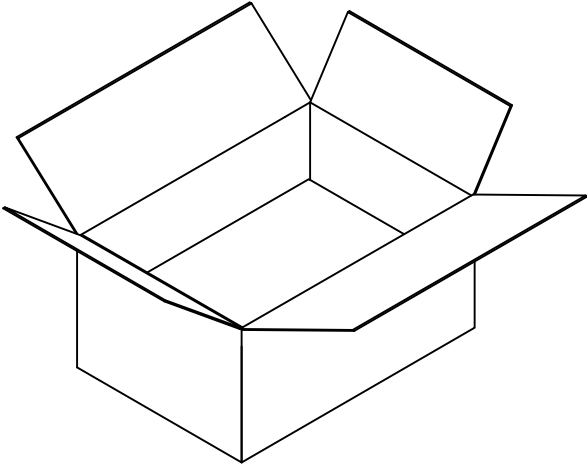
一: Antenna

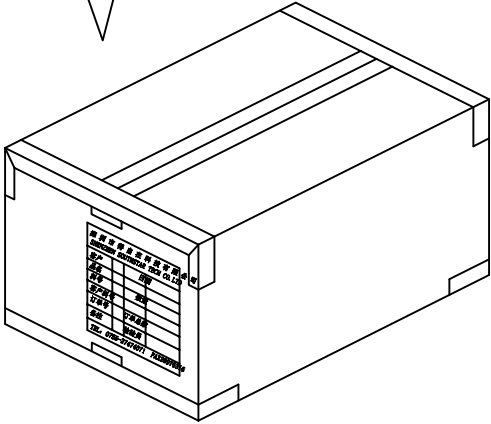


2: Bagging: Each PE bag contains 50PCS of products.



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