

SPECIFICATION FOR APPROVAL

Customer	Reolink
Project Name	DBB1
Customer NO.	54. 07. 001. 0128
specification	Housing Antenna Assembly
Supplier NO.	F01-6837-R0A
Specification NO.,	
Write by	Hongliang. Zhou
REV.	Ver.1
Date	2024/03/21
Note	

CUSTOMER APPROVED BY		
Approved by	Checked by	Prepared by
SUPPLIER APPROVED BY		
Approved by	Checked by	Prepared by
李从放	周洪亮	张斌

Record of version changes				
Date	Content of Change	Version	Change	Prepared
2024. 03. 21	First sample seal	Ver.1		Zhou

1. Index

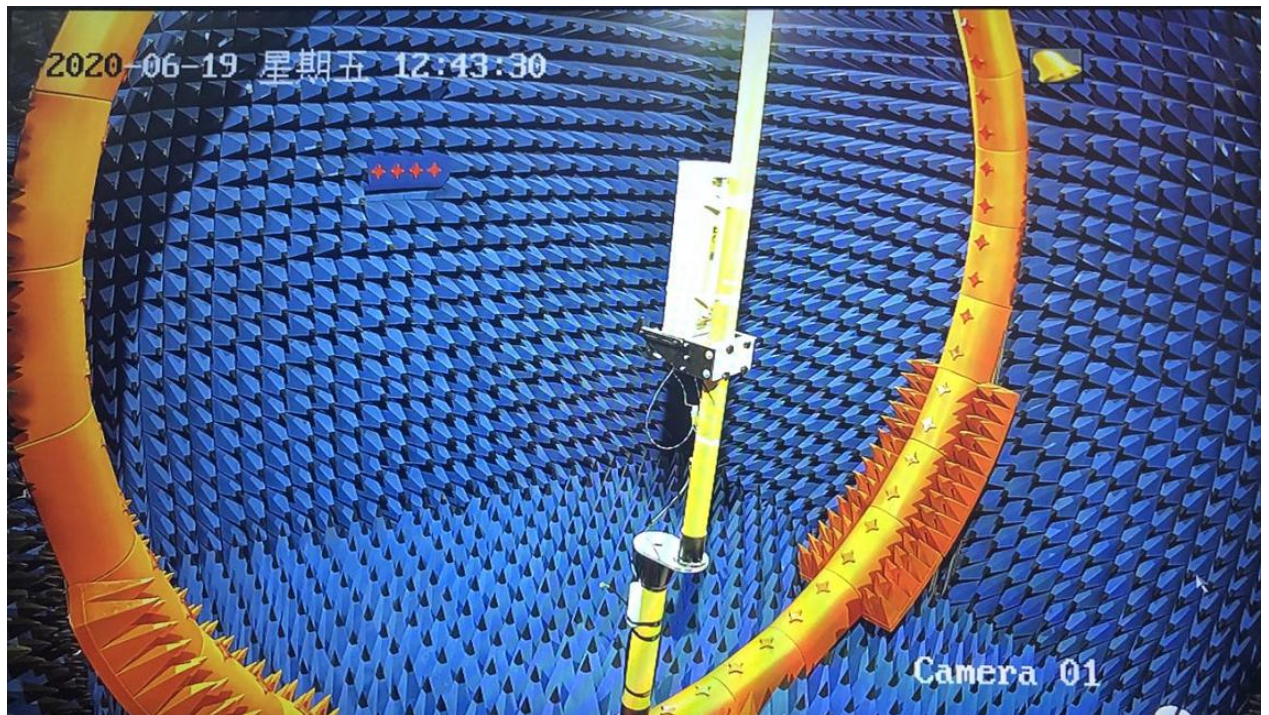
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2. Test Equipment & Conditions

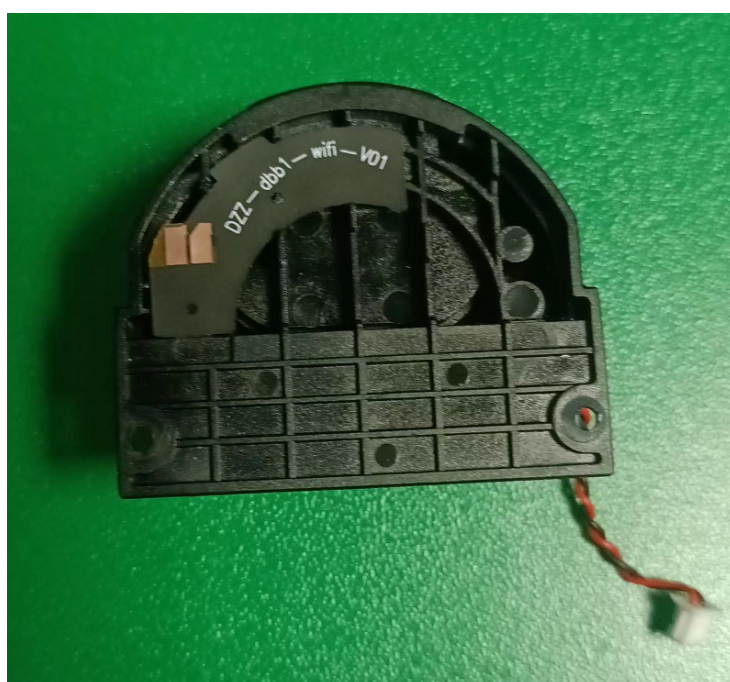
2.1. Network Analyzers : KEYSIGHT P5002A

2.2. Communications Test Set: R&S CMW 500

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



3. Mechanical instruction



1		2		3		4		5		6		7		8	
RoHS Compliant G P								Rev		Description		Date		Remark	
								A		New drawing					

A														
B														
C														
D														

Copper foil circuit

Feed point area

Substrate area

Back adhesive area

10 $\times$ 11mm

0 $\times$ 0.9mm

2- ϕ 0.9

17.9 $\pm$ 0.2

23.2 $\pm$ 0.2

手撕位

Technical requirements:

1. FPC material: one pair and a half, single panel;

2. Feed point processing: gold plating;

3. Surface treatment: single-sided black oil;

4. Back glue: 3M9471 Packaging method: single piece;

5. Screen printing font: white;

6. Unmarked tolerance dimensions, with a die punching tolerance of ± 0.1 ,

The tolerance of the line size is ± 0.05 , and the tolerance of the marked hole is ± 0.05 ;

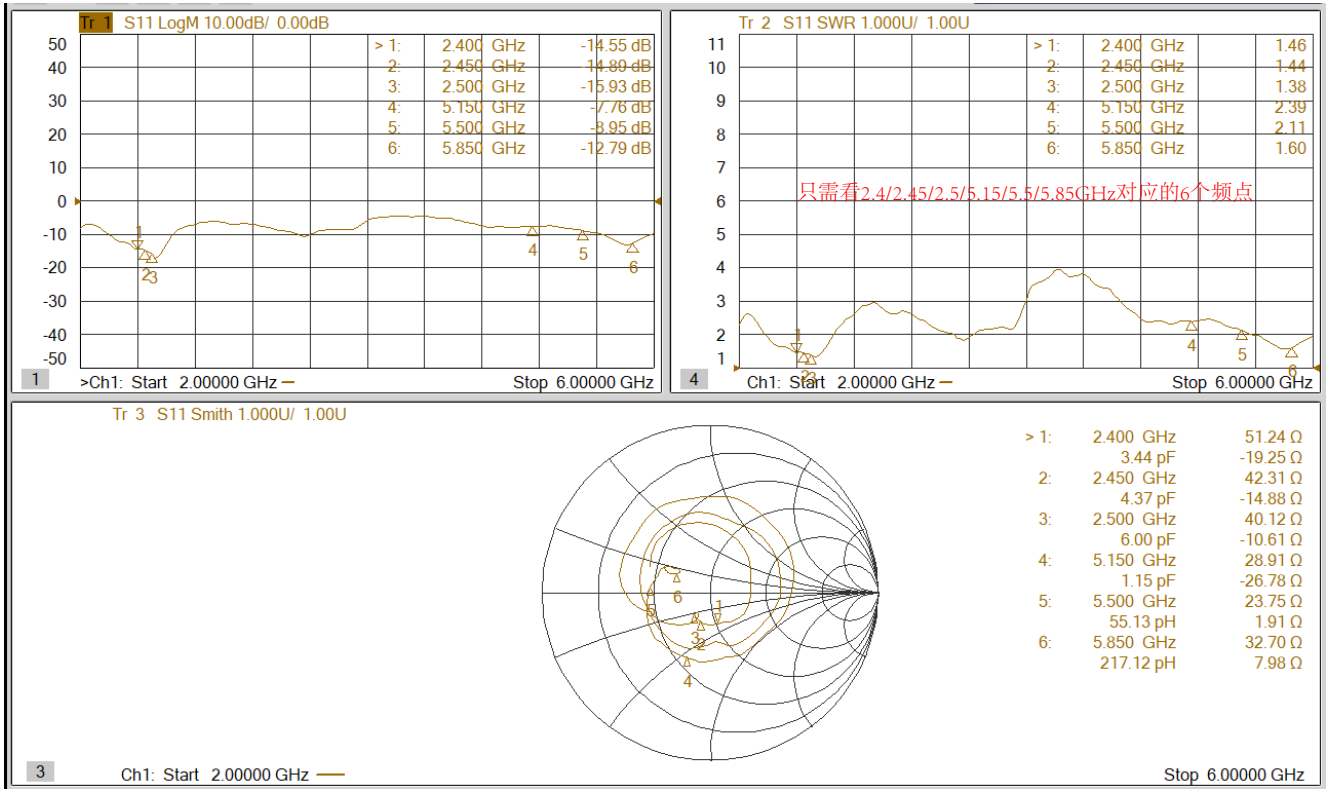
7. Safety requirements: RoHS REACH;

8. Quality requirements shall be implemented in accordance with the IQC Incoming Inspection Specification.

Be-Comfortable										SHEN ZHEN BE-COMFORTABLE CO., LTD					
得自在															
Third Angle		Project		DBB1		Date		2024-03-21							
0~10		± 0.05				0.02		Part Name		Li Chongfang					
10~18		± 0.10				$\varnothing 0.03$		Part No.		F01-6837-R0A					
18~30		± 0.12				0.02		Material		P1					
30~40		± 0.15				0.04									
40~		± 0.20		Angle		$\pm 0.5^\circ$		DWG No.		F01-6837-R0A					
Location								Unit		mm		Scale		1:1 Rev A	

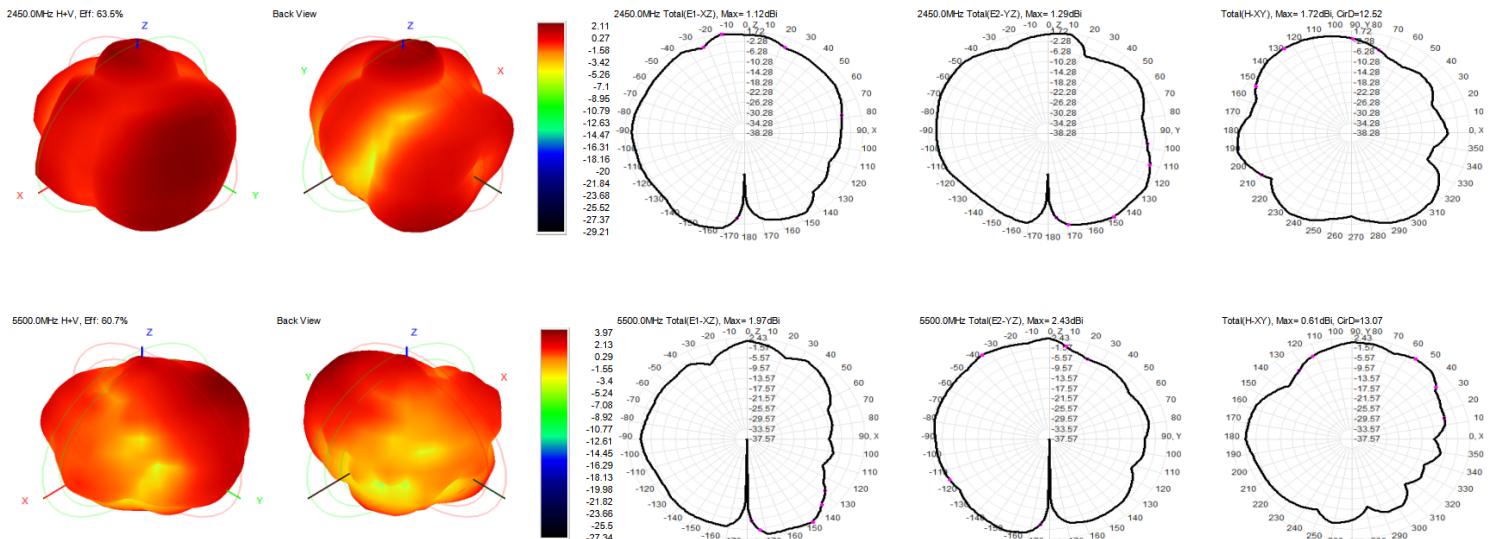
1	2	3	4	5	6	7	8
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4. S11-WIFI:In whole machine Antenna standing wave less than 3.0



5. Gain & Efficiency& 3D Pattern

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)	2.39	2.55	2.42	2.36	2.15	2.11	2.34	2.46	2.34	2.39	2.45				
Efficiency (%)	64.06	67.77	67.36	65.78	63.58	63.50	63.75	65.74	66.08	62.75	60.44				
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)	2.53	2.58	2.63	2.85	2.94	2.98	3.60	3.97	3.66	3.79	4.35	4.57	4.47	4.54	4.26
Efficiency (%)	53.71	53.87	54.52	55.01	57.35	59.04	59.77	60.71	60.99	62.02	63.00	63.42	64.19	65.11	64.54



6. OTA TEST

OTA TEST				
		1	6	11
b	TRP	14.42	14.51	14.37
	TIS	-84.89	-84.76	-84.17
g	TRP	12.32	12.61	12.82
	TIS	-72.22	-72.17	-72.28
n	TRP	12.25	12.45	12.16
	TIS	-70.9	-71.13	-70.13
		36	149	165
a	TRP	12.38	12.46	12.8
	TIS	-72.18	-72.39	-72.5

Packaging method

DATE: 2022-03-01

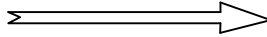
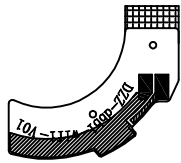
page: 1 of 1

Name : WIFI-FPC

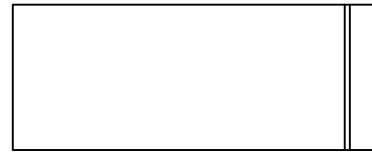
Edition: A

Customer: Reolink

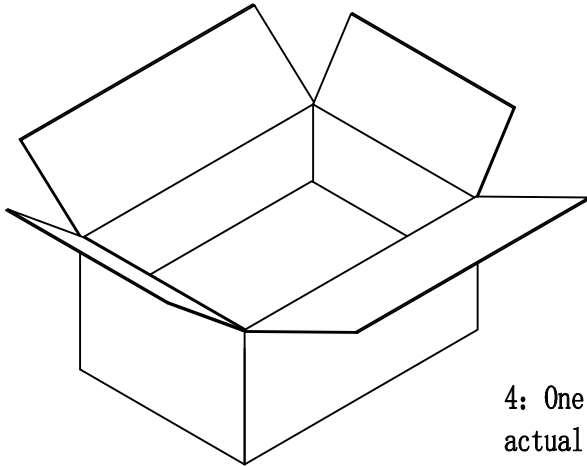
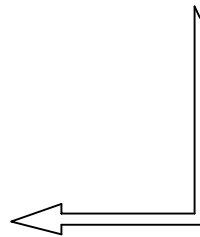
1: Antenna



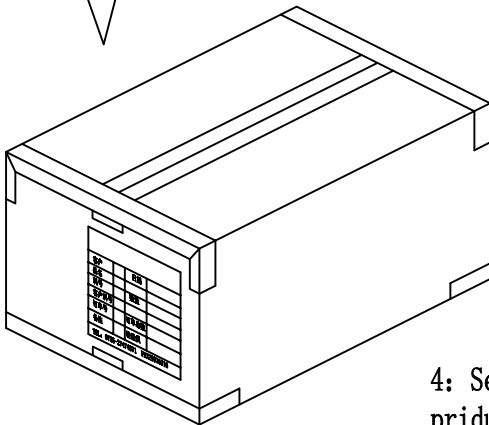
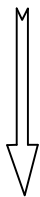
2: 100 PCS Antenna in a small bag.



3: 10 pcs in a big bag



4: One box for every 10 package, (subject to the actual packaging).



4: Seal the box and paste our production label on the outer box.

Approval: _____

Confirm: _____

Fiction: 李从放