

SPECIFICATION FOR APPROVAL

Customer	<u>Reolink</u>
Project Name	DBB1
Customer NO.	54.07.001.0128
specification	Housing Antenna Assembly
Supplier NO.	F01-6837-ROA
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

1. Index

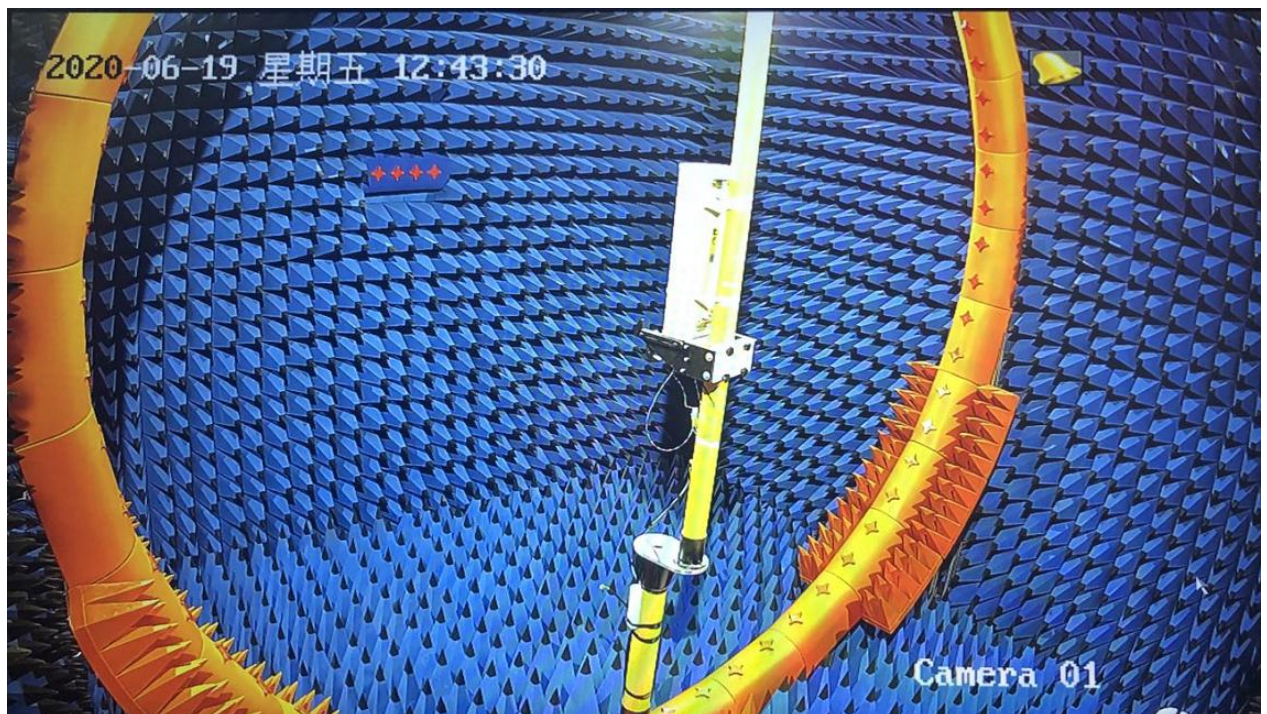
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2. Test Equipment & Conditions

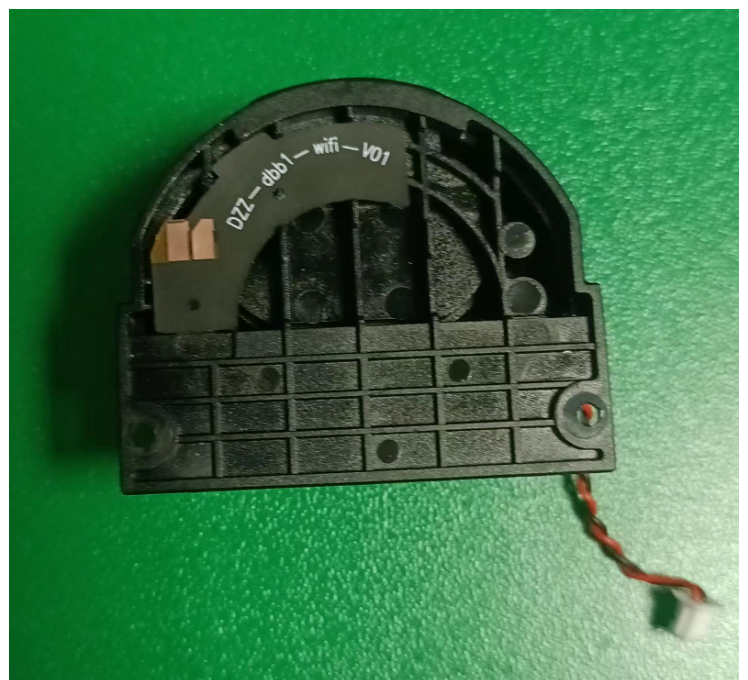
2.1. Network Analyzers : KEYSIGHT P5002A

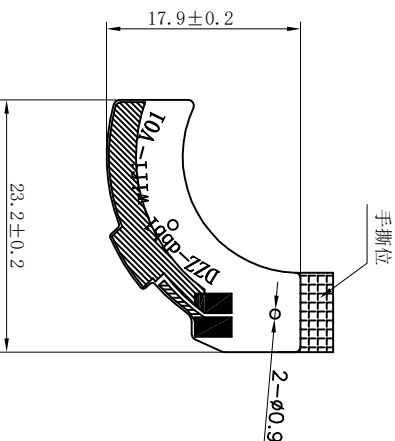
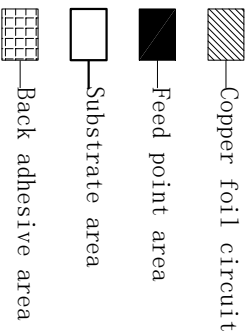
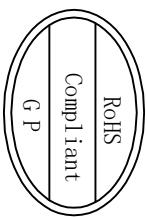
2.2. Communications Test Set: R&S CMW 500

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



3. Mechanical instruction





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 ,
7. The tolerance of the line size is ± 0.05 , and the tolerance of the marked hole is ± 0.05 ;
8. Safety requirements: RoHS REACH;
9. Quality requirements shall be implemented in accordance with the IQC Incoming Inspection Specification.

Rev	Description	Date	Remark
A	New drawing		

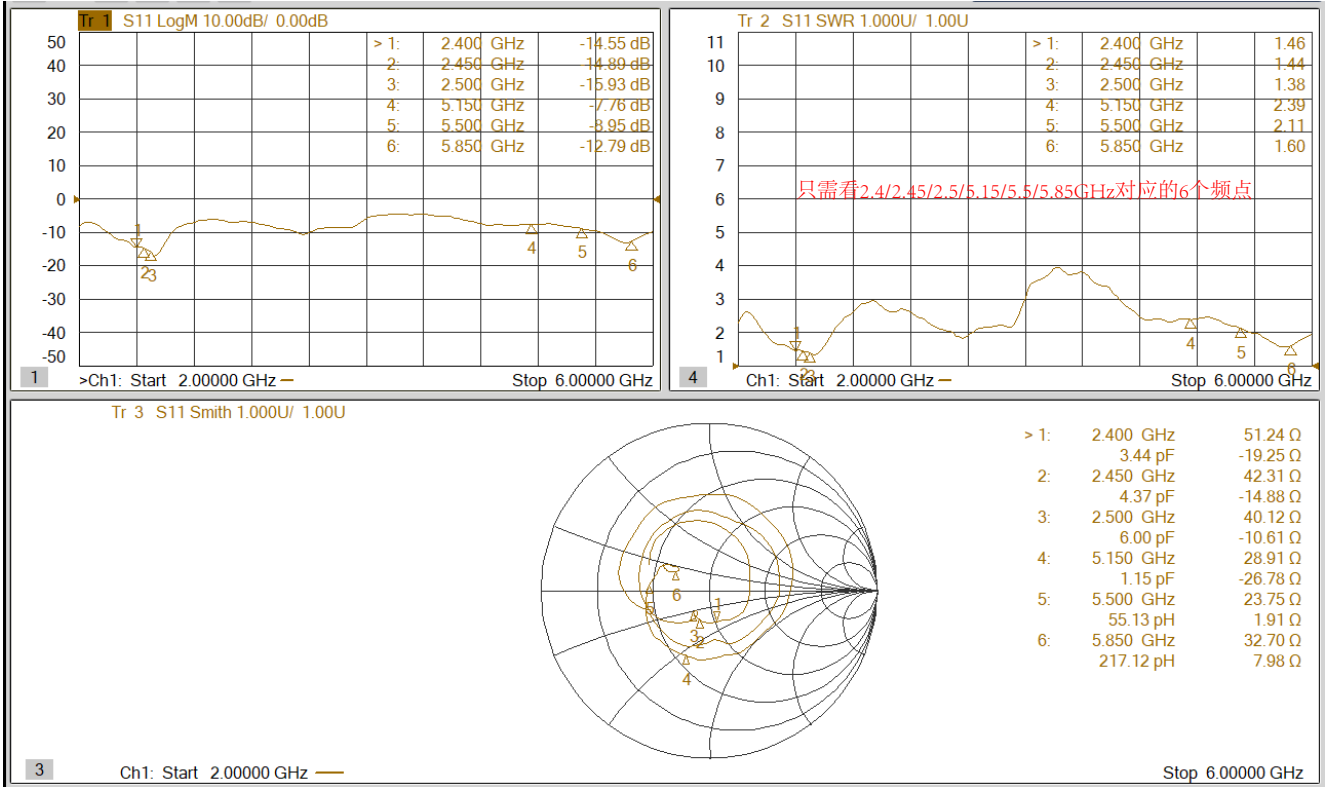
Be-Comfortable
舒适自在

SHEN ZHEN BE-COMFORTABLE CO., LTD

Third Angle	Project	DBB1	Date	2024-03-21
± 0.05	Part Name	WiFi-FPC	Designed by	Li Chongfang
± 0.10	Part No.	F01-6837-ROA	Checked by	MD
± 0.12	Material	PI	RF	Li Chongfang
± 0.15	DWG No.	F01-6837-ROA	Approved by	
± 0.20			Unit	mm
Angle			Scale	1:1
$\pm 0.5^\circ$			Rev	A

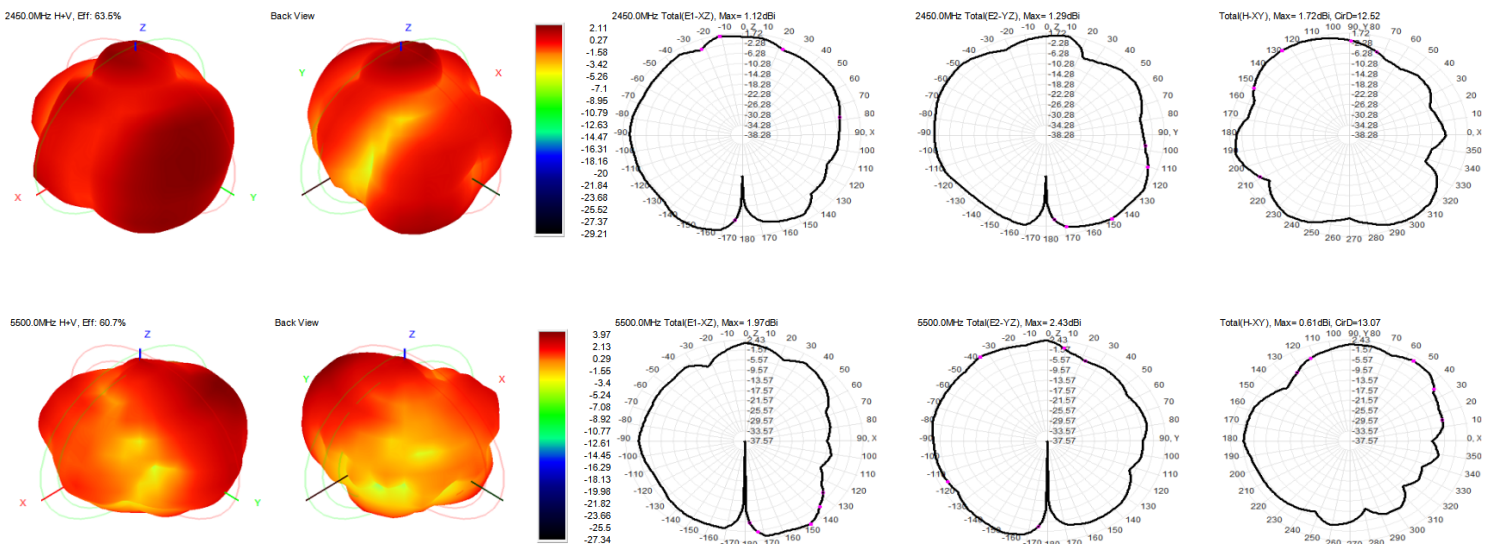
1 2 3 4 5 6 7 8

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

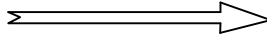
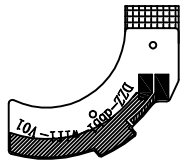
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Name : WIFI-FPC

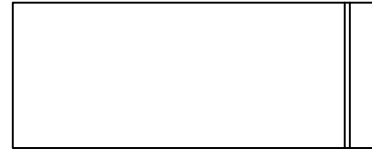
Edition: A

Customer: Reolink

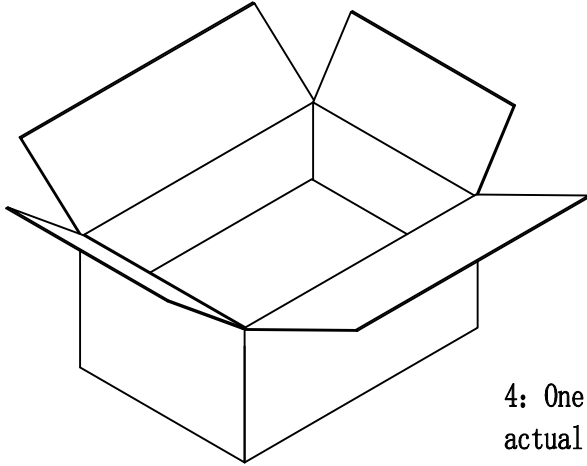
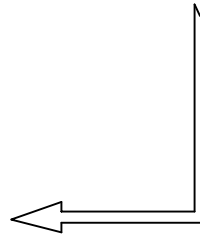
1: Antenna



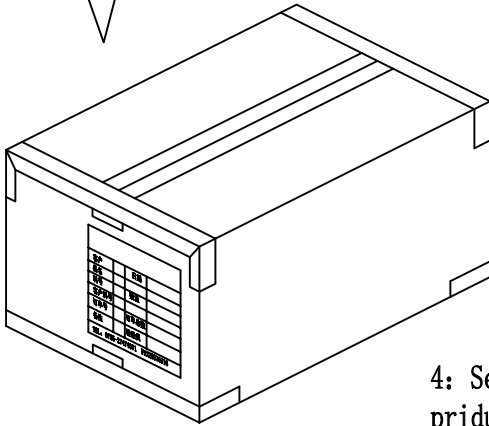
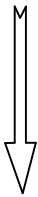
2: 100 PCS Antenna in a small bag.



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 _____