

## SPECIFICATION FOR APPROVAL

<b>Customer</b>	<u>Reolink</u>
<b>Project Name</b>	DBB1
<b>Customer NO.</b>	54.07.001.0133
<b>specification</b>	Housing Antenna Assembly
<b>Supplier NO.</b>	F01-6835-ROB
<b>Specification NO.</b>	
Write by	Hongliang. Zhou
<b>REV.</b>	Ver.1
<b>Date</b>	2024/04/19
<b>Note</b>	

<b>CUSTOMER APPROVED BY</b>		
Approved by	Checked by	Prepared by
<b>SUPPLIER APPROVED BY</b>		
Approved by	Checked by	Prepared by

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

## 1. Index

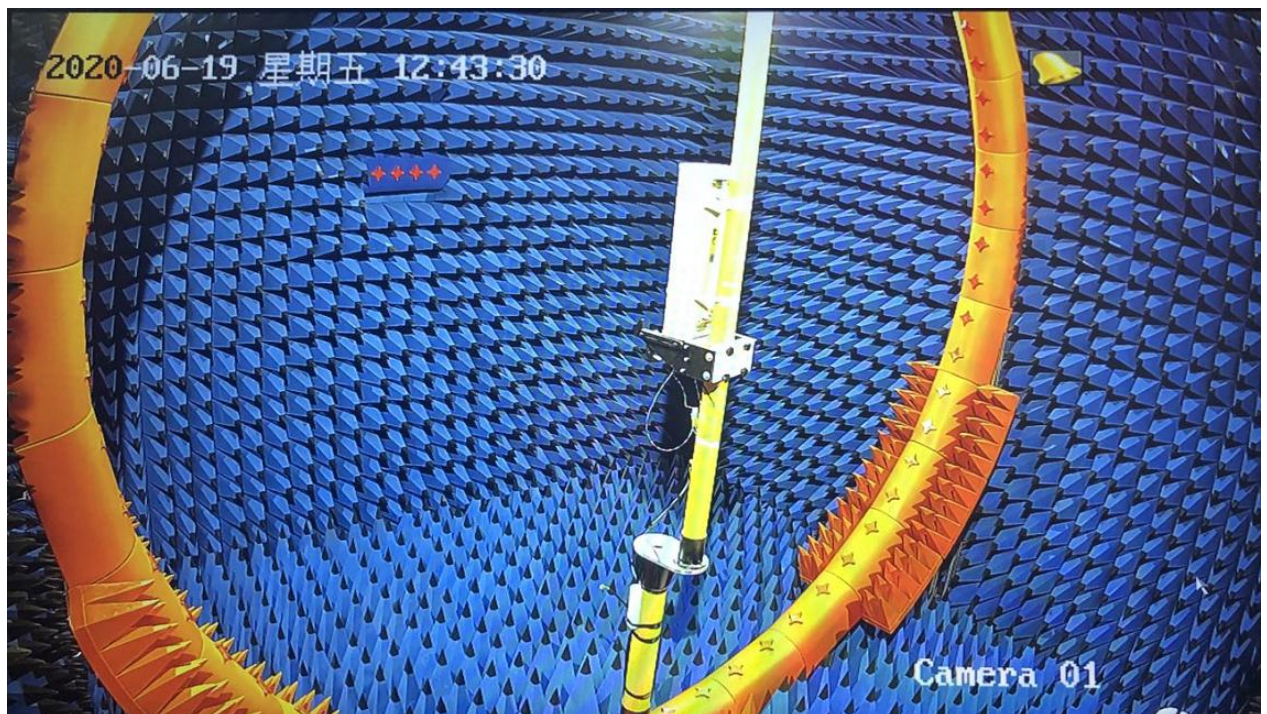
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## 2. Test Equipment & Conditions

2.1. Network Analyzers : KEYSIGHT P5002A

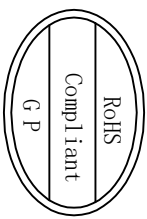
2.2. Communications Test Set: R&S CMW 500

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



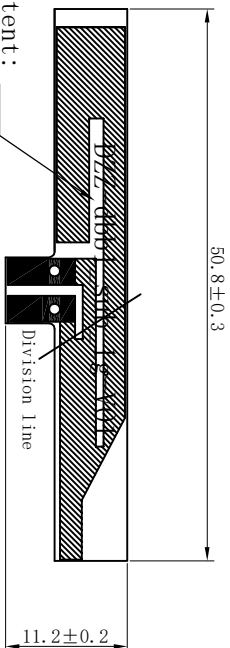
### 3. Mechanical instruction





Rev	Description	Date	Remark
A	New drawing		
B	Change route	2024-04-20	

- Copper foil circuit
- Feed point area
- Substrate area
- Back adhesive area



Printing content:  
DZZ-dbb1\_sub\_1g-V01

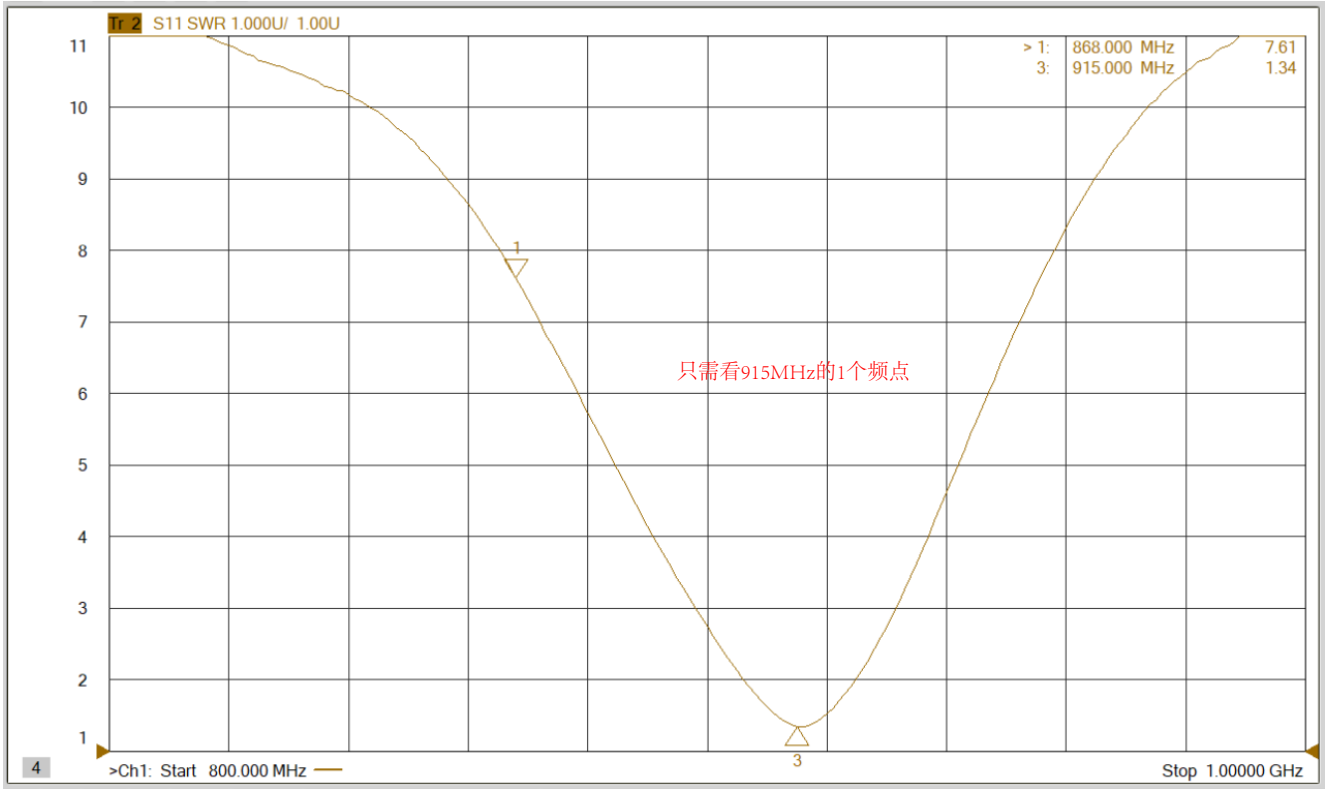
- Technical requirements:
- FPC material: one pair and a half, single panel;
  - Feed point processing: gold plating;
  - Surface treatment: single-sided black oil;
  - Back glue: 3M9471 Packaging method: single piece;
  - Screen printing font: white;
  - Unmarked tolerance dimensions, with a die punching tolerance of  $\pm 0.1$ ,
  - The tolerance of the line size is  $\pm 0.05$ , and the tolerance of the marked hole is  $\pm 0.05$ ;
  - Safety requirements: RoHS REACH;
  - Quality requirements shall be implemented in accordance with the IQC Incoming Inspection Specification.

Be-Comfortable  
舒适自在

SHEN ZHEN BE-COMFORTABLE CO., LTD

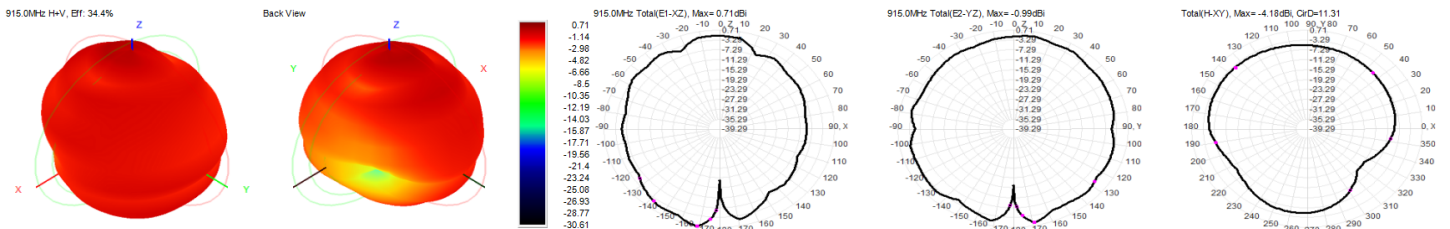
Third Angle		Project	DBB1	Date	2024-04-20				
0~10	$\pm 0.05$	Part Name	sub_1g-FPC	Designed by	Li Chongfang				
10~18	$\pm 0.10$	Part No.	F01-6835-ROB	Checked by	MD				
18~30	$\pm 0.12$	Material	P1	Checked by	RF	Zhou Hongliang			
30~40	$\pm 0.15$			Approved by					
40~	$\pm 0.20$	DWG No.	F01-6835-ROB	Unit	mm	Scale	1:1	Rev	A

#### 4. S11-WIFI:In whole machine Antenna standing wave less than 3.0



#### 5. Gain & Efficiency & 3D Pattern

Frequency (MHz)	910.0	911.0	912.0	913.0	914.0	915.0	916.0	917.0	918.0	919.0	920.0
Gain (dBi)	0.43	0.40	0.41	0.49	0.60	0.71	0.73	0.79	0.80	0.78	0.65
Efficiency (%)	32.77	33.19	33.61	34.00	34.27	34.39	34.55	34.55	34.40	34.12	33.73



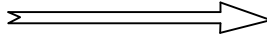
# Packaging method

DATE: 2024-04-19

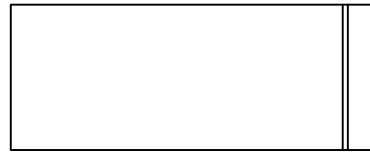
page: 1 of 1

Name : SUB_1G-FPC	Edition: A
	Customer: Reolink

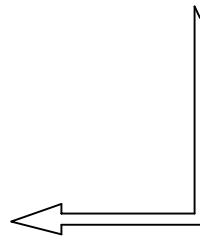
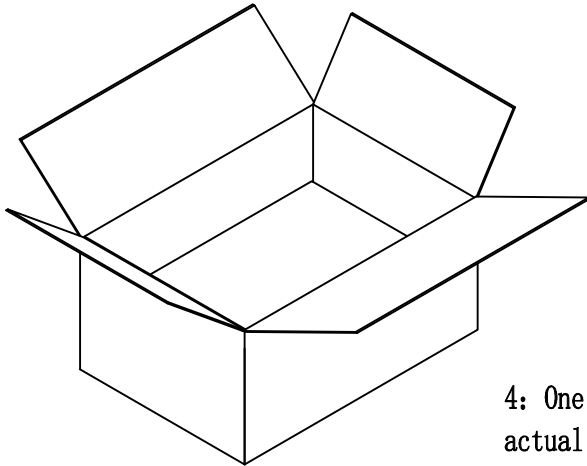
1: Antenna



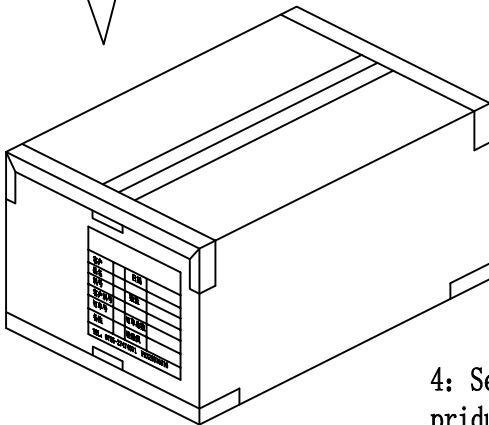
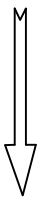
2: 100 PCS Antenna in a small bag.



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: Li Chongfang