

SPECIFICATION FOR APPROVAL

Customer	<u>Reolink</u>
Project Name	DBB1
Customer NO.	54.07.001.0133
specification	Housing Antenna Assembly
Supplier NO.	F01-6835-R0B
Specification NO.	
Write by	Hongliang. Zhou
REV.	Ver.1
Date	2024/04/19
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. 03. 21	First sample seal	Ver.1		Zhou

1. Index

Serial No.	Content	Page
—	Cover	1
—	Change Records	2
1	List of items	3
2	Test Equipment & Conditions	4
3	Mechanical instruction	5
4	S11	7
5	Gain & Efficiency& 3D Pattern	8
6	Packaging	9

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



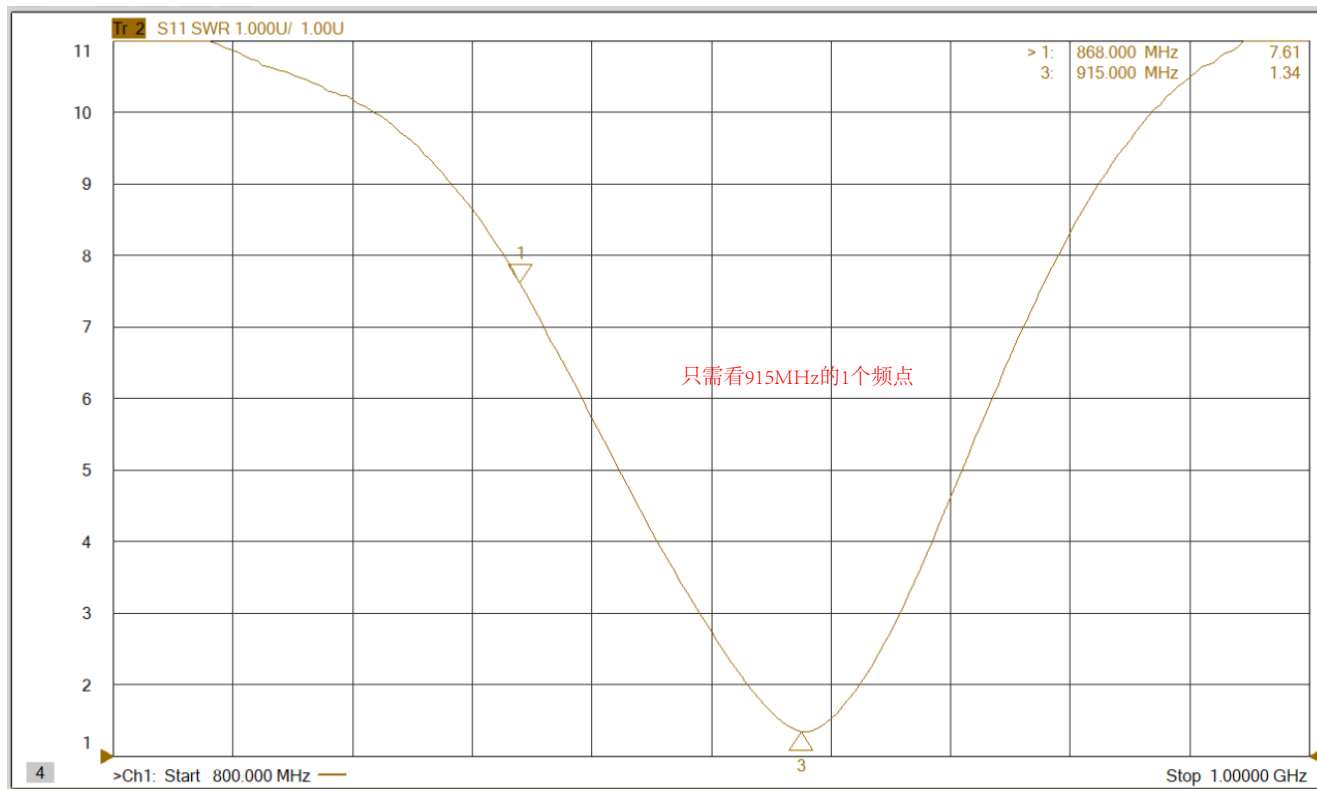
3. Mechanical instruction



1		2		3		4		5		6		7		8																			
RoHS Compliant G P								<table><tr><th>Rev</th><th colspan="3">Description</th><th>Date</th><th>Remark</th></tr><tr><td>A</td><td colspan="3">New drawing</td><td></td><td></td></tr><tr><td>B</td><td colspan="3">Change route</td><td>2024-04-20</td><td></td></tr></table>								Rev	Description			Date	Remark	A	New drawing					B	Change route			2024-04-20	
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 50.8±0.3 11.2±0.2 Division line																																	
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.																																	
1		2		3		4		5		6		7		8																			

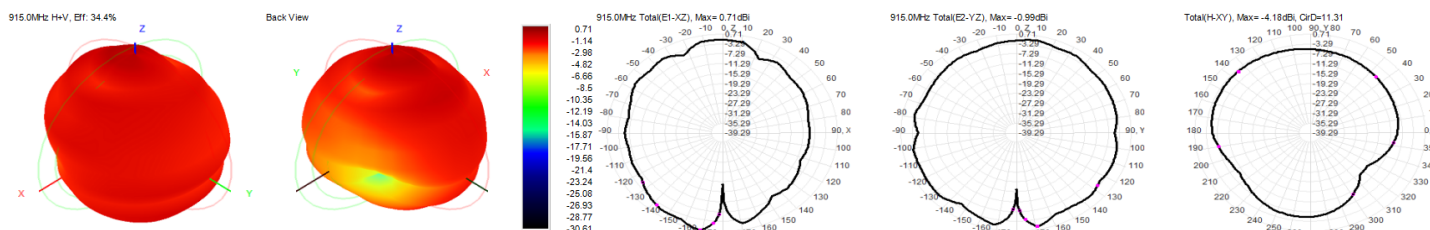
Be-Comfortable				SHEN ZHEN BE-COMFORTABLE CO., LTD											
		Third Angle	Project	DBB1		Date		2024-04-20							
0~10	±0.05	○	0.02	Part Name		sub_1g-FPC		Designed by		Li Chongfang					
10~18	±0.10	◎	±0.03	Part No.		F01-6835-R0B		Checked by		MD					
18~30	±0.12	⊥	0.02	Material		P1		RF		Zhou Hongliang					
30~40	±0.15	∇	0.04	Approved by											
40~	±0.20	Angle	±0.5°	DWG No.		F01-6835-R0B									
Location			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

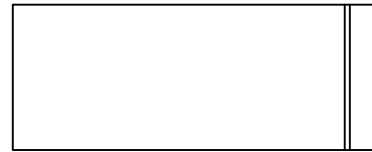
Edition: A

Customer: Reolink

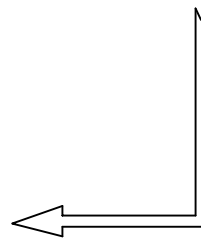
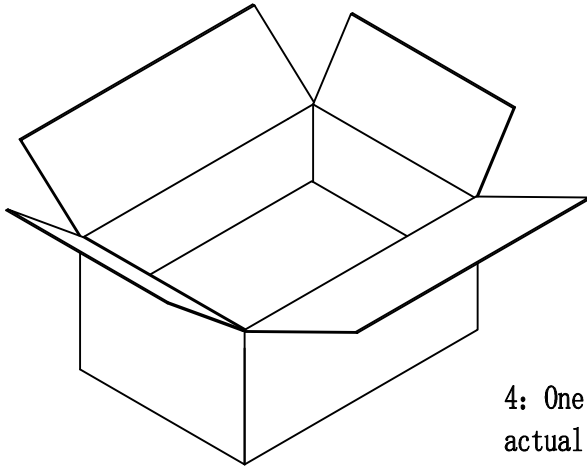
1: Antenna



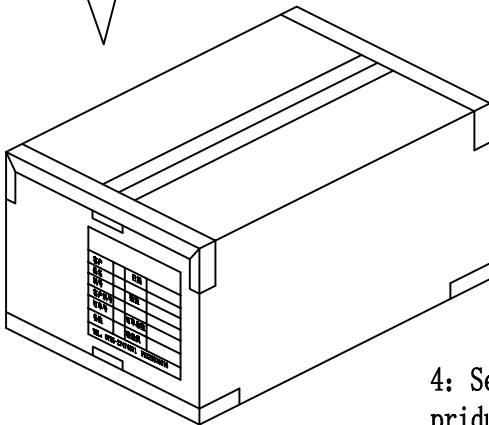
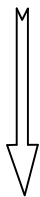
2: 100 PCS Antenna in a small bag.



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