

SPECIFICATION FOR APPROVAL

Customer	Reolink
Project Name	DB1
Customer NO.	53.05.002.0034A
specification	Housing Antenna Assembly
Supplier NO.	N0Z-1886-R0A
Specification NO.	
Write by	Hongliang. Zhou
REV.	Ver.1
Date	2023/12/09
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
2023. 12. 09	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

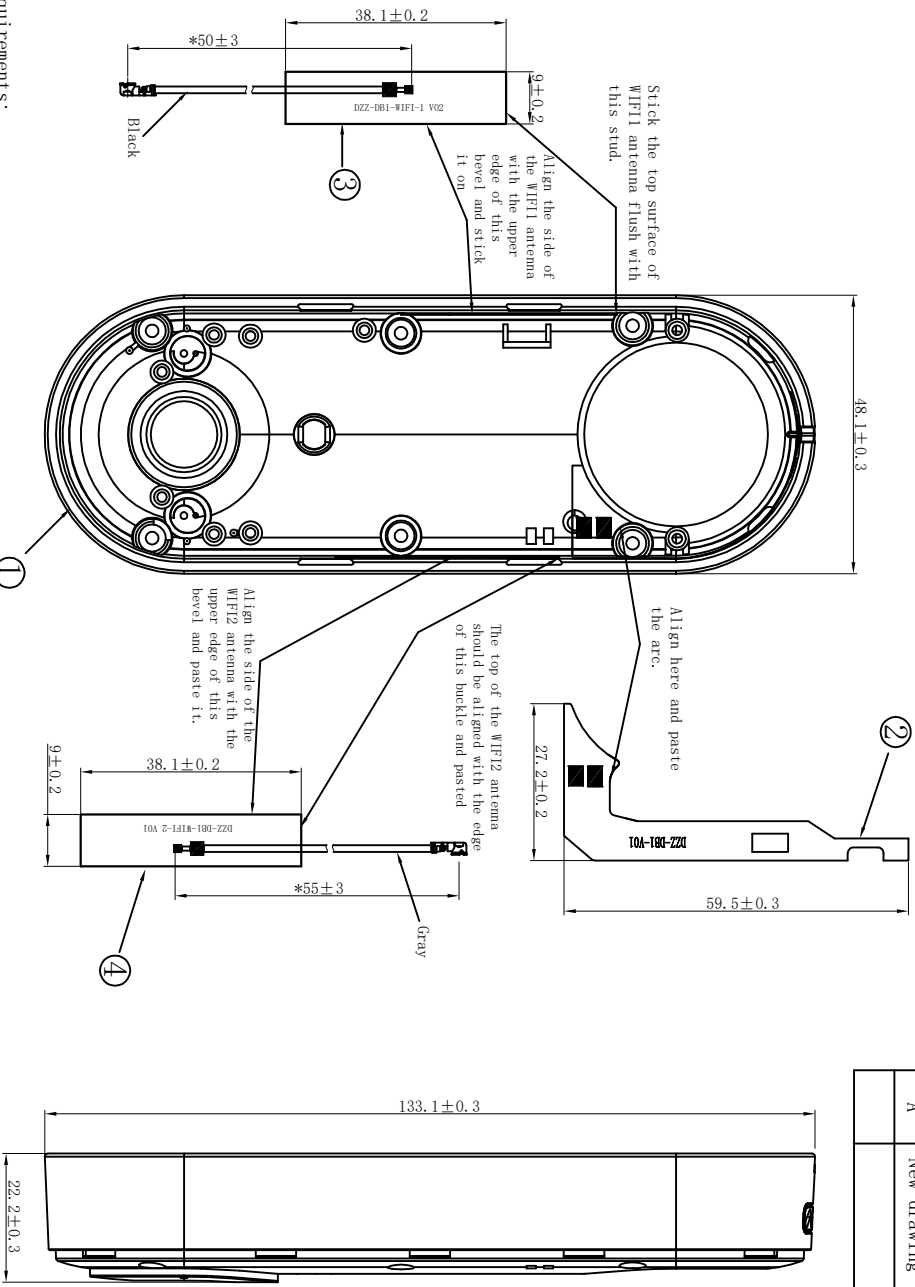
2.3. 3D Chamber Test System: 64 Probe Test system



3. Mechanical instruction



Rev	Description	Date	Remark
A	New drawing		



- Technical requirements:
1. The size marked with "*" is the key controlled size;
 2. According to the drawing without dimensions indicated;
 3. Smooth fitting without obvious wrinkles;
 4. All components must comply with RoHS requirements;
 5. The finished product needs to be fully inspected for performance.

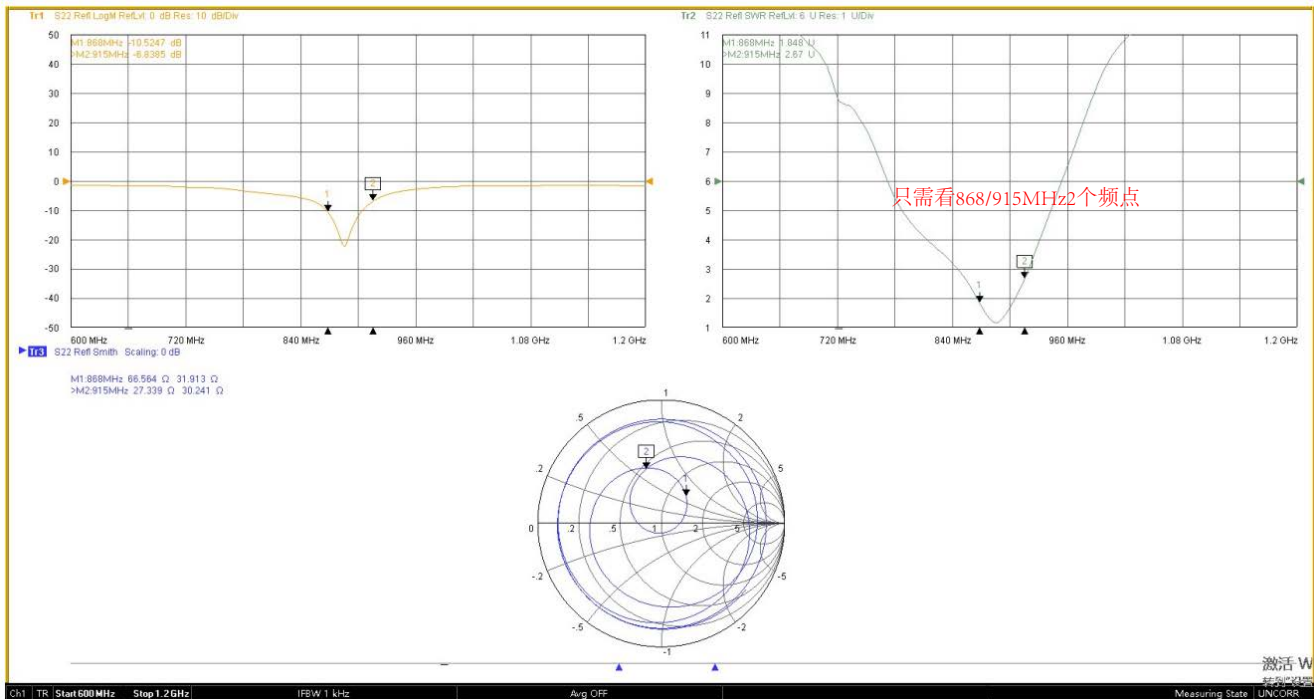
No.	Part No.	Name	Specification	Amount	Remark
1					
2					
3					
4					

Be-Comfortable
舒适自在

SHEN ZHEN BE-COMFORTABLE CO., LTD

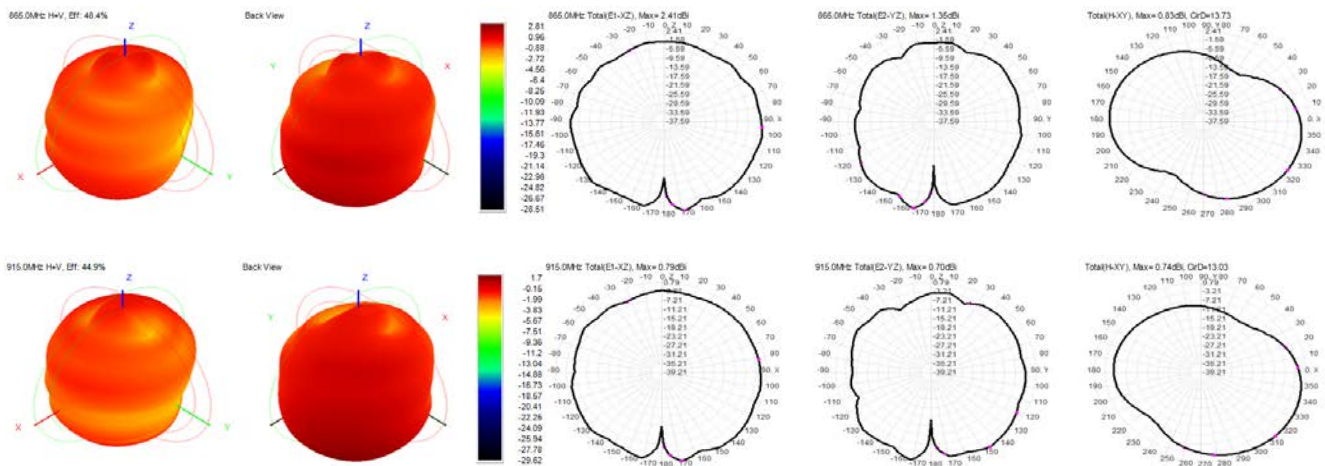
Third Angle	Project	DBI 白色	Date	2023-12-07
0~10	±0.05	0.02	Part Name	FPC combined antenna
10~18	±0.10	0.03	Part No.	N0Z-1886-R0A
18~30	±0.12	0.02	Material	/
30~40	±0.15	0.04	Checked by	RF
40~	±0.20	±0.5°	Approved by	PG
Location		DWG No.	Unit	mm
5	6	7	Scale	1:1
			Rev	A

4. S11-868-915MHZ on whole machine Antenna standing wave less than 3.5



5. Gain & Efficiency & 3D Pattern

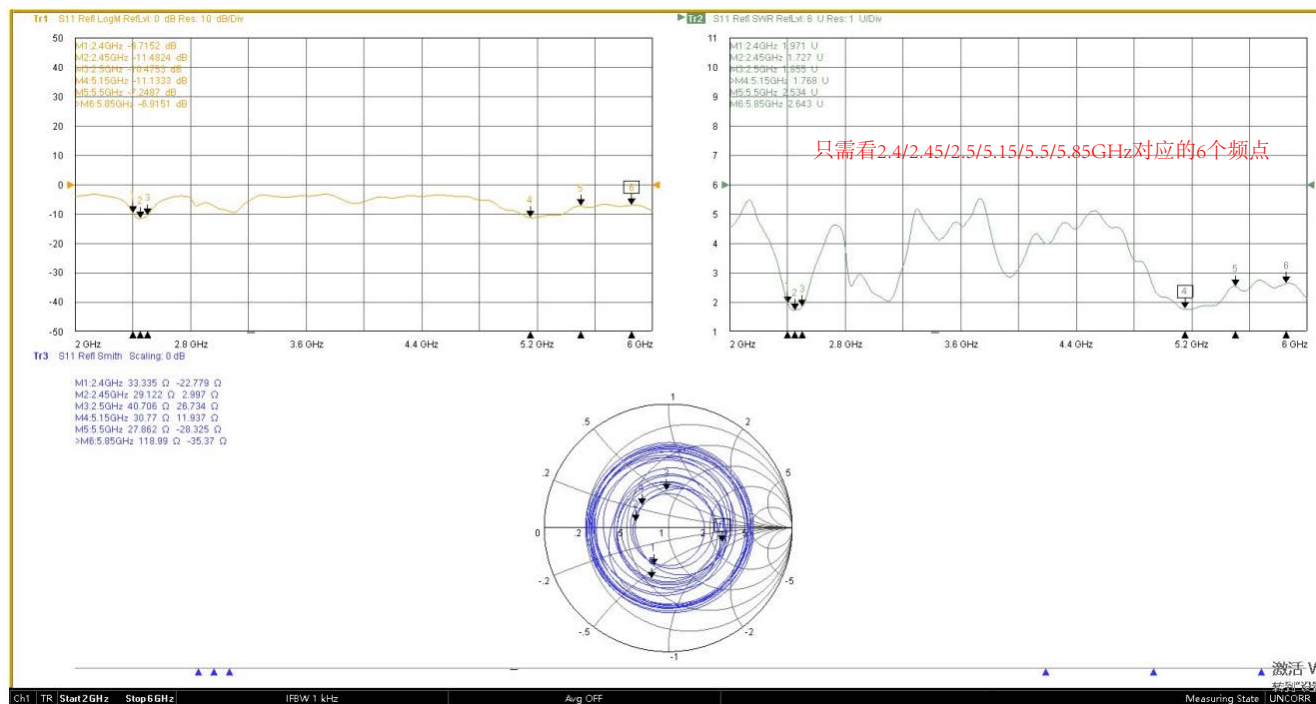
Frequency (MHz)	865	870	875	880	885	890	895	900	905	910	915
Gain (dBi)	2.81	2.86	2.90	2.66	2.12	2.58	2.58	2.23	1.82	1.63	1.70
Efficiency (%)	48.44	48.16	48.84	49.51	48.50	48.21	47.02	46.49	45.44	45.20	44.86



S11-868-915MHZ Photos

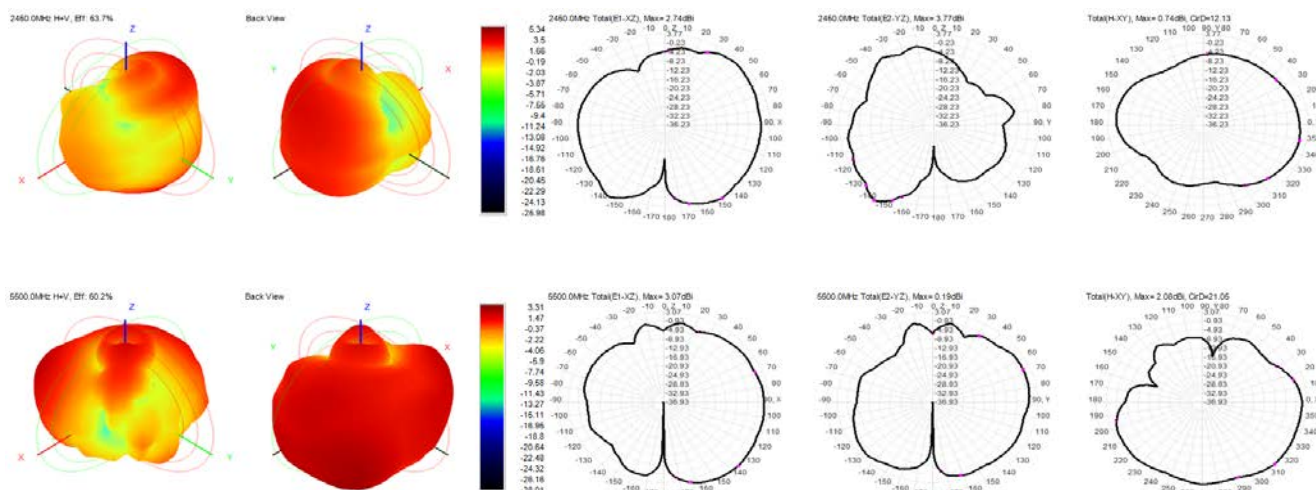


4. S11-WIFI-1:In whole machine
Antenna standing wave less than 3.0

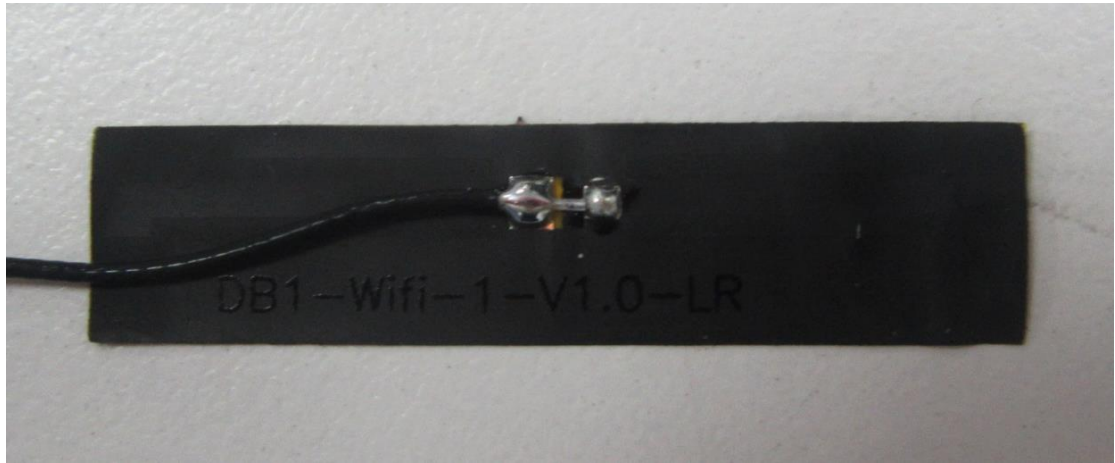


5. Gain & Efficiency& 3D Pattern

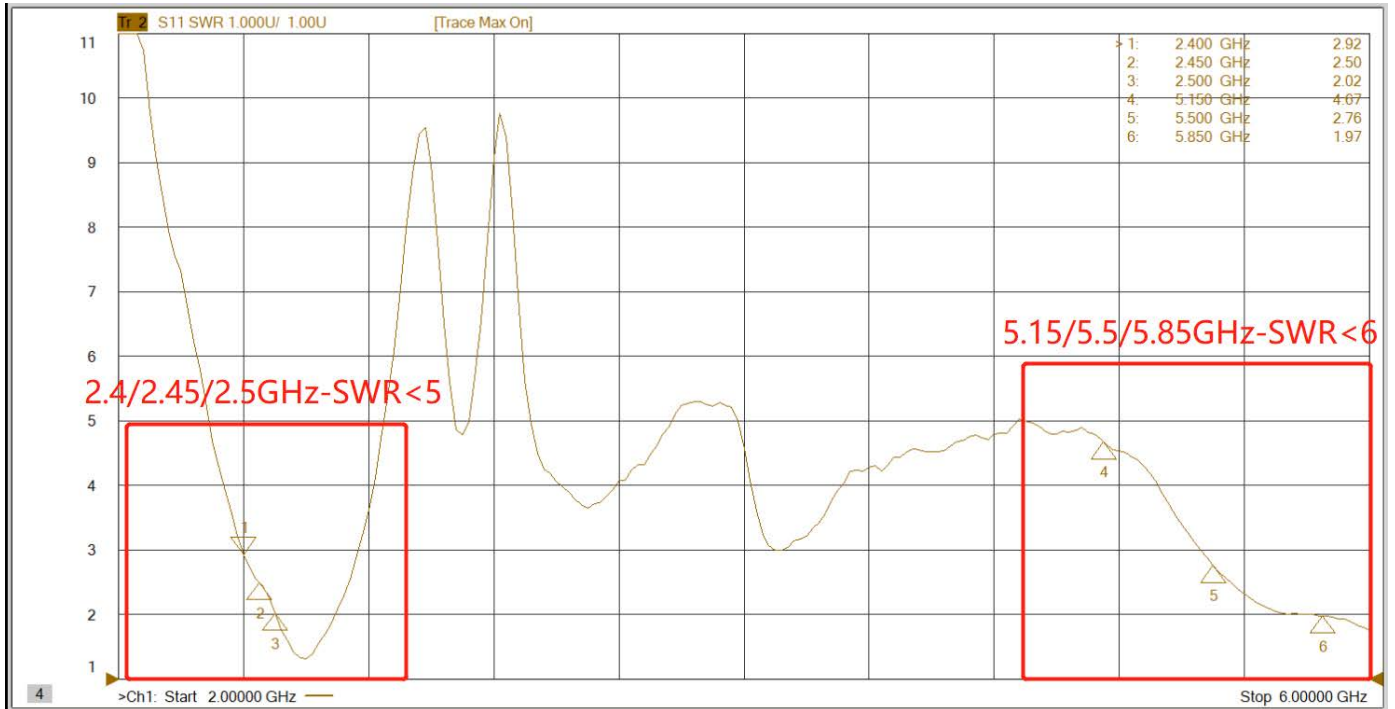
Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500				
Gain (dBi)	4.94	4.92	4.99	5.17	5.24	5.34	5.45	5.56	5.62	5.51	5.76				
Efficiency (%)	53.78	55.20	55.47	55.95	53.97	53.73	54.44	55.44	56.05	53.93	52.75				
Frequency (MHz)	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650	5700	5750	5800	5850
Gain (dBi)	3.68	4.29	4.59	4.53	4.34	4.23	3.62	3.31	3.08	2.77	3.15	3.57	3.93	3.83	3.80
Efficiency (%)	51.01	54.65	56.84	59.25	61.28	63.05	61.41	60.21	59.20	58.19	60.94	62.49	64.23	64.69	65.10



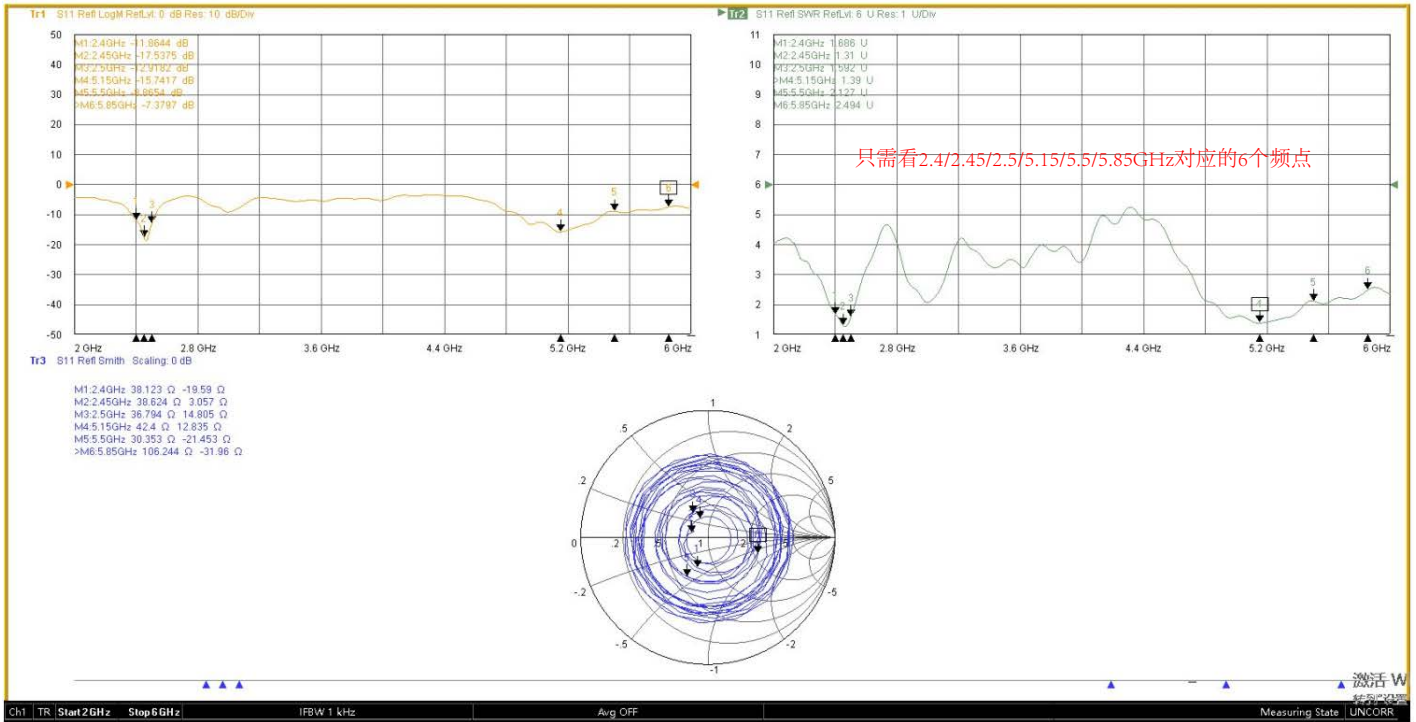
S11-WIFI-1 Photos



4. S11-WIFI-1:In shell only

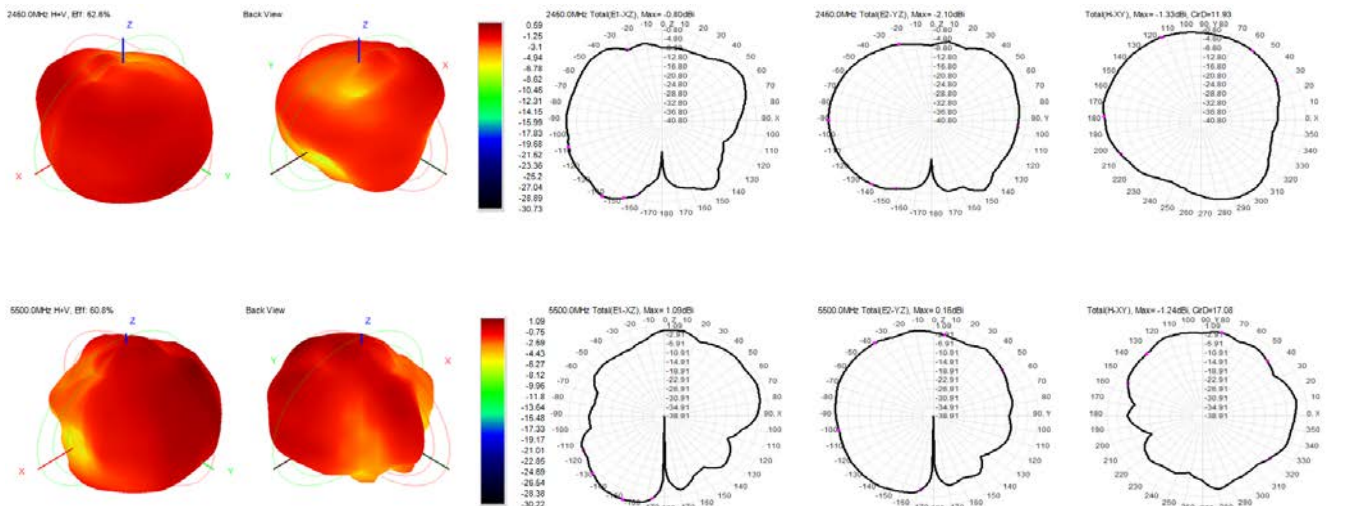


4. S11-WIFI-2:In whole machine Antenna standing wave less than 3.0



5. Gain & Efficiency & 3D Pattern

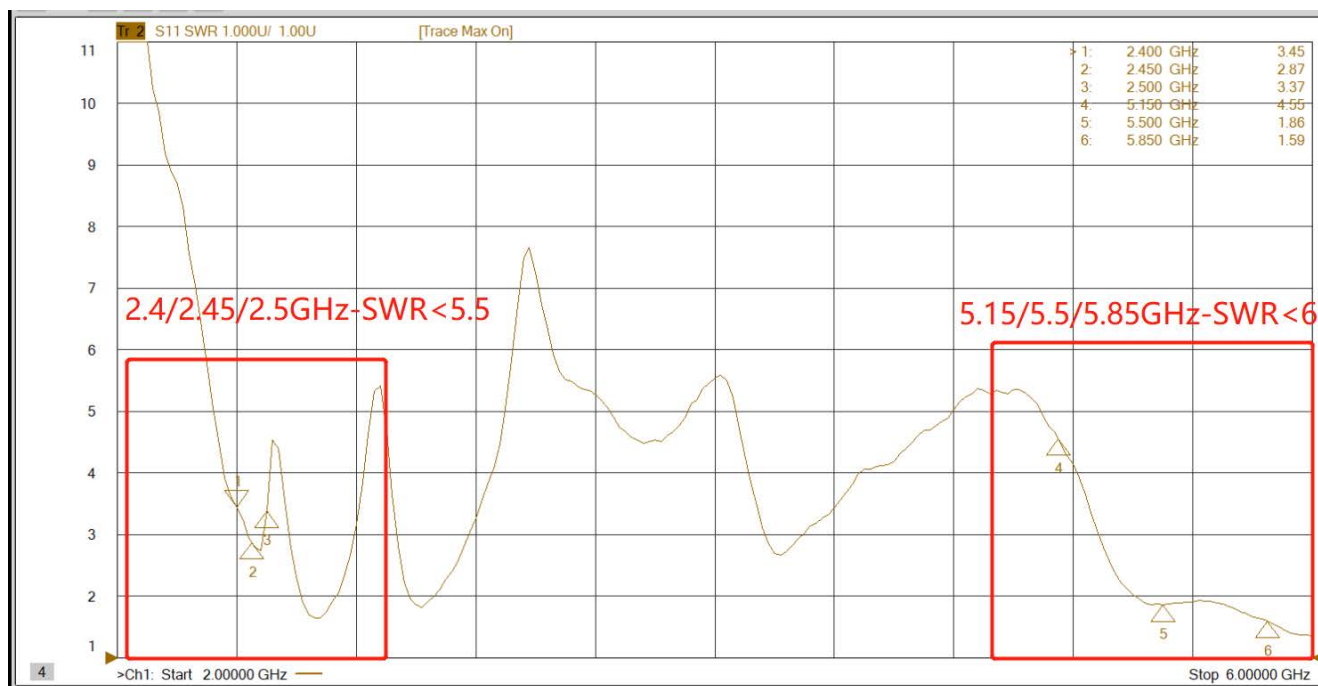
Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500				
Gain (dBi)	1.17	1.08	0.90	0.68	0.69	0.59	0.49	0.20	0.35	0.60	0.76				
Efficiency (%)	50.46	52.95	53.45	54.07	52.84	52.60	54.43	57.39	58.11	55.47	53.59				
Frequency (MHz)	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650	5700	5750	5800	5850
Gain (dBi)	2.90	2.71	2.74	2.32	1.38	1.20	0.73	1.09	1.55	2.11	2.08	1.88	1.49	1.34	0.56
Efficiency (%)	57.30	57.36	59.82	60.33	58.30	56.15	55.63	60.80	58.68	57.93	56.33	56.35	58.05	63.18	62.07



S11-WIFI-2 Photos

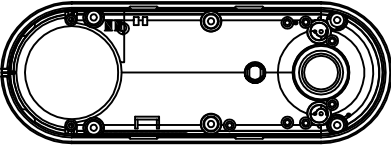


4. S11-WIFI-2:In shell only

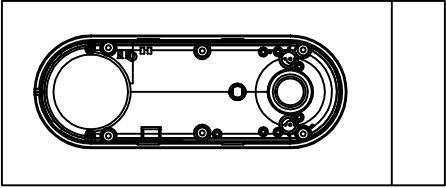


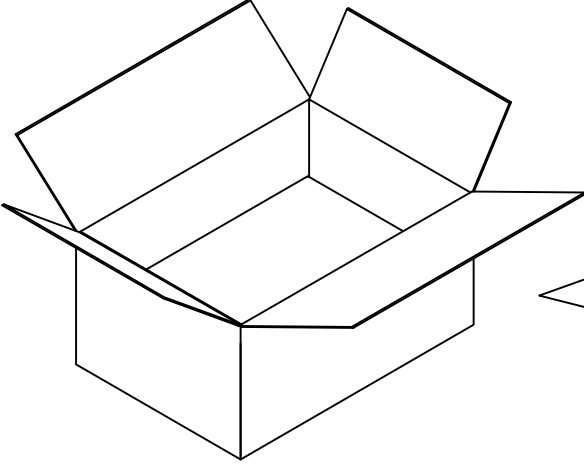
Name: FPC combined antenna	Version: A
	Customer: Reolink

1. Antenna

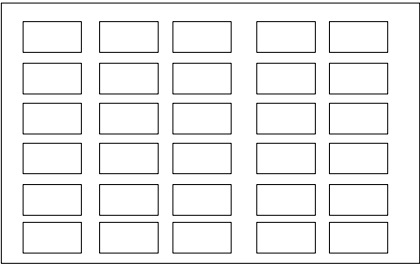


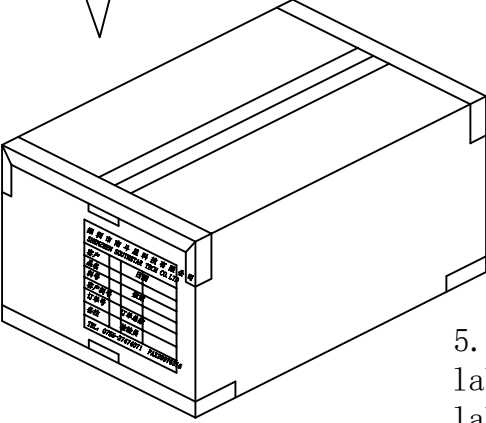
2. Bagged separately into PE bags;



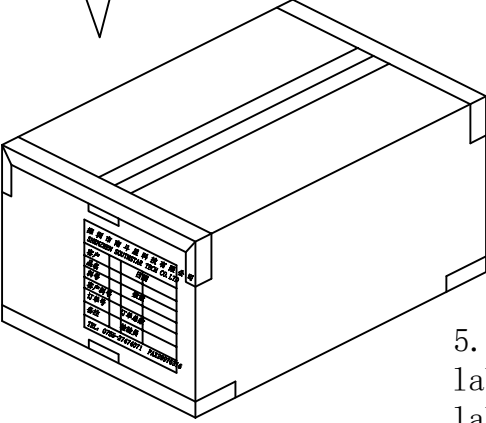


3. Put one blister box in each small bag;





4. Packing, with each layer separated;



5. Sealing the box; The outer box is labeled with our company's production label and ROHS label.

Approval: _____

Confirm: _____

Fiction: Li Chongfang