SPECIFICATION FOR APPROVAL

Customer	Reolink
Project Name	E1-zoom
Customer NO.	54.07.001.0144
specification	FPC Antenna
Supplier NO.	N12-9488-R0A
Specification NO.	
Write by	Yuan. Tang
REV.	Ver.1
Date	2024/08/30
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

1. Index

2. Test Equipment & Conditions

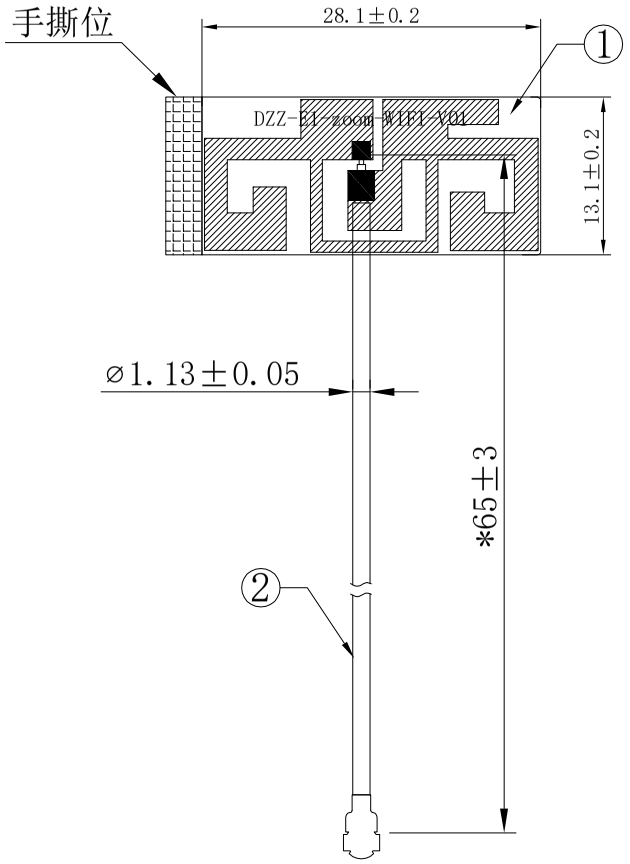
2.1. Network Analyzers : KEYSIGHT P5002A

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
2		Cable	ø1.13 Cable,Gray,First generation terminals	1	
1		FPC	PI,Black	1	

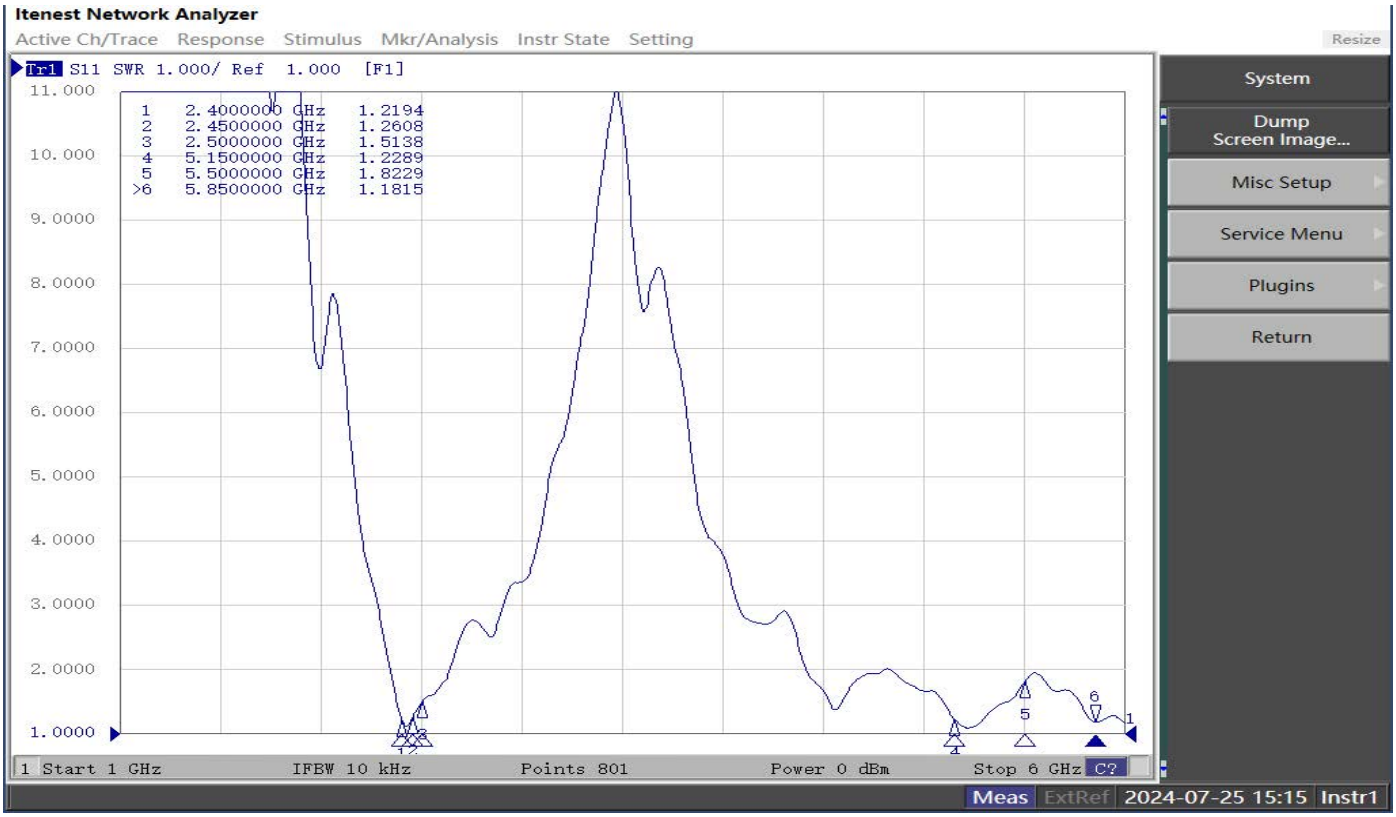
Third Angle			
0～10	±0.05	○	0.02
10～18	±0.10	◎	⌀0.03
18～30	±0.12	⊥	0.02
30～40	±0.15	▱	0.04
40～	±0.20	Angle	±0.5°
Location			

Be-Comfortable 得自在

SHEN ZHEN BE-COMFORTABLE CO.,LTD

Project	E1-zoom	Date	2024-08-30		
Part Name	WIFI antenna	Designed by	Li Chongfang		
Part No.	N12-9488-R0A	Checked by	RF	Tang Yuan	
Material	/		PE		
DWG No.	N12-9488-R0A	Approved by			
		Unit	mm	Scale	1:1 Rev A

VSWR图



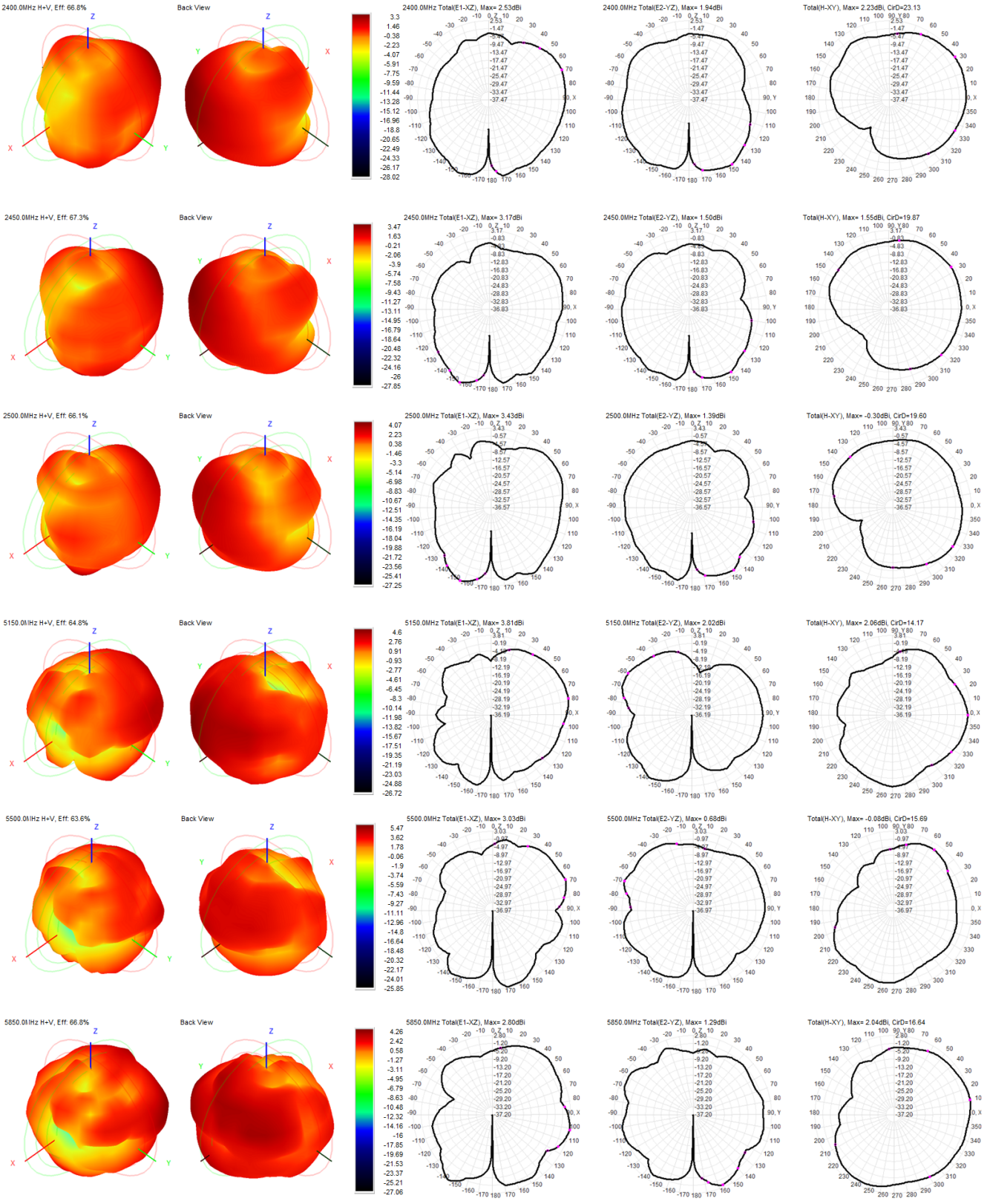
增益/效率3D图：

得自在

Frequency ID	1	2	3	4	5	6	7	8	9	10	11
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)	3.30	3.25	3.27	3.51	3.53	3.47	3.46	3.77	3.89	4.22	4.07
Efficiency (%)	66.76	68.08	68.80	68.81	66.96	67.27	68.73	71.01	71.58	68.14	66.12

12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
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
4.60	4.33	4.20	4.65	4.41	4.74	5.20	5.47	5.35	5.46	5.21	4.53	3.66	3.84	4.26
64.83	65.39	66.13	66.78	64.32	62.67	61.06	63.64	63.16	62.98	63.85	65.28	64.94	66.85	66.76

3D Pattern:

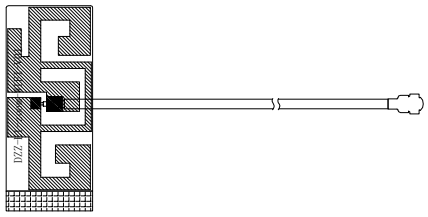

2400.0MHz H+V, Eff: 66.8%
Back View
2400.0MHz Total(E1-XZ), Max= 2.53dBi
2400.0MHz Total(E2-YZ), Max= 1.94dBi
Total(H-XY), Max= 2.23dBi, CirD=23.13
2450.0MHz H+V, Eff: 67.3%
Back View
2450.0MHz Total(E1-XZ), Max= 3.17dBi
2450.0MHz Total(E2-YZ), Max= 1.50dBi
Total(H-XY), Max= 1.55dBi, CirD=19.87
2500.0MHz H+V, Eff: 66.1%
Back View
2500.0MHz Total(E1-XZ), Max= 3.43dBi
2500.0MHz Total(E2-YZ), Max= 1.39dBi
Total(H-XY), Max= -0.30dBi, CirD=19.60
5150.0MHz H+V, Eff: 64.8%
Back View
5150.0MHz Total(E1-XZ), Max= 3.81dBi
5150.0MHz Total(E2-YZ), Max= 2.02dBi
Total(H-XY), Max= 2.06dBi, CirD=14.17
5500.0MHz H+V, Eff: 63.6%
Back View
5500.0MHz Total(E1-XZ), Max= 3.03dBi
5500.0MHz Total(E2-YZ), Max= 0.68dBi
Total(H-XY), Max= -0.08dBi, CirD=15.69
5850.0MHz H+V, Eff: 66.8%
Back View
5850.0MHz Total(E1-XZ), Max= 2.80dBi
5850.0MHz Total(E2-YZ), Max= 1.29dBi
Total(H-XY), Max= 2.04dBi, CirD=16.64

Packaging method

DATE：2024-08-30

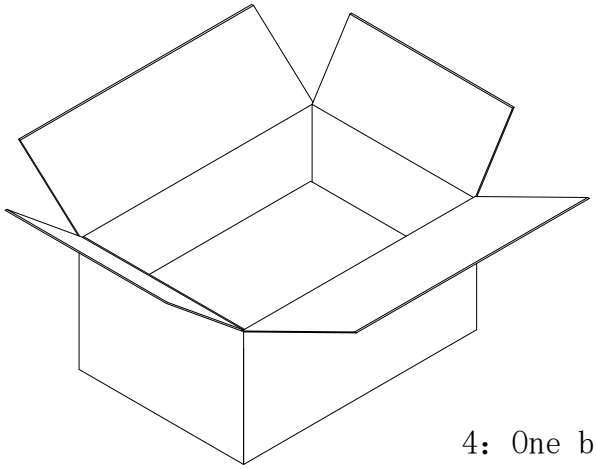
Name : WIFI antenna	Edition：A
	Customer:Reolink

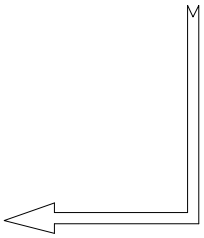
1：Antenna



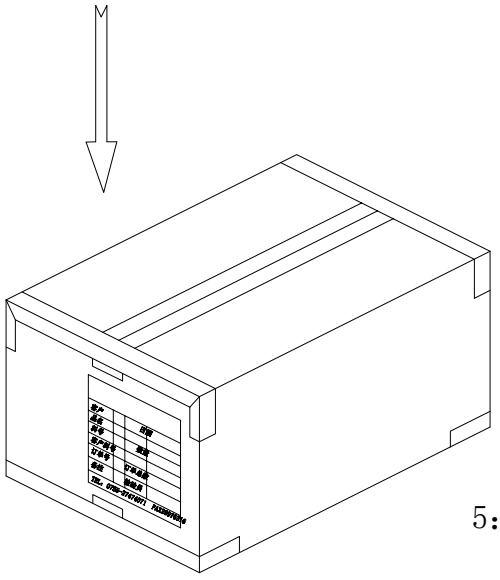
2：50 PCS Antenna in a small bag。

3：10 PCS Antenna in a big bag。





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



5：Seal the box and paste our priduction label on the outer box。

Approval:_____ Confirm: _____ Fiction: Li Chongfang