

SPECIFICATION FOR APPROVAL

CUSTOMER :	
PART NAME :	CH1
PART NO. :	DZZ-CH1-V01
DZZ NO. :	N0Z-1830-ROA
REV. :	

	MANUFACTURERR SIGNATURE	CUSTOMER SIGNATURE
APPROVED BY:		
DATE:		

Shenzhen be-comfortable technology.co.,LTD

深圳市得自在科技有限公司

Address: No.1606,Build C6,HengFeng industrial city,xixiang street,baoan district,Shenzhen

shanghai mengju technology co., LTD

上海市盟钜科技有限公司

103B, Build10, No.198 Zhang Heng Road , Pudong New Area,Shanghai

Antenna Design for 166

Document Number	DZZ-2023/6/16
Released Date	16 /6/2023
Author	Bing Zhanging
Review By	Huiping Feng

Revised History

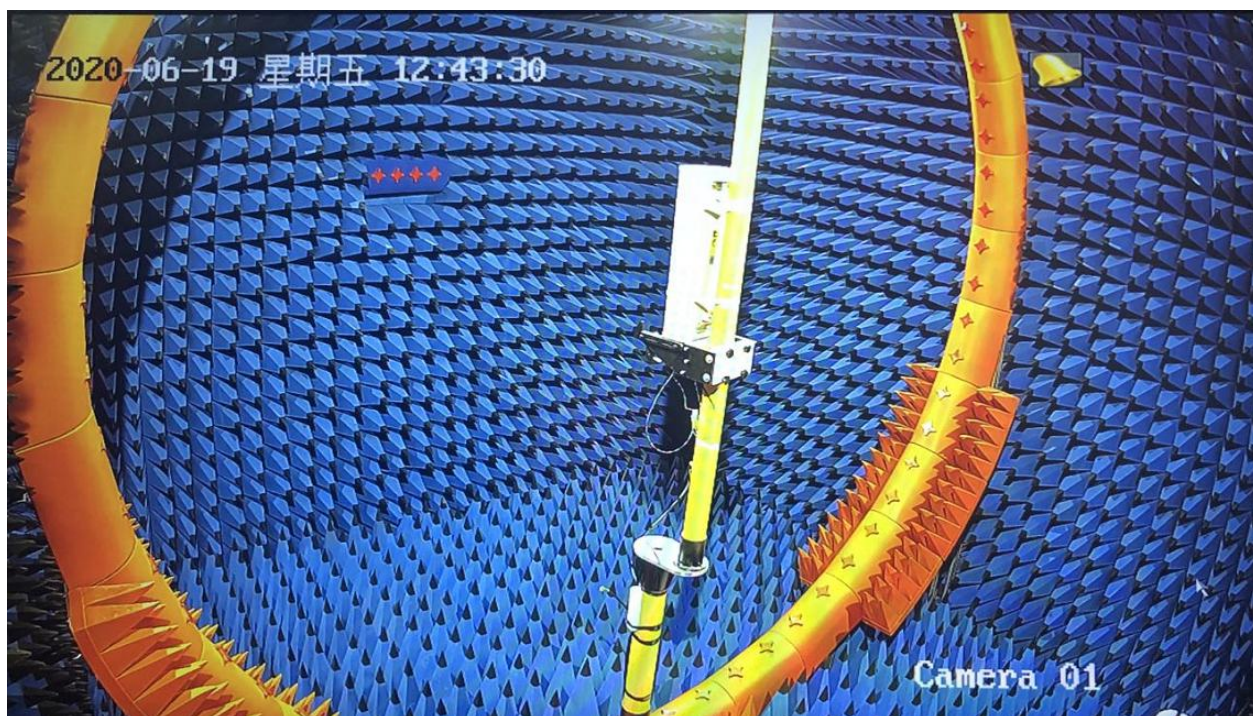
[illegible]

2. 试验设备和条件(Test Equipment & Conditions)

2.1. Network Analyzers : KEYSIGHT P5002A

2.2. Communications Test Set: R&S CMW 500

2.3. 3D Chamber Test System:

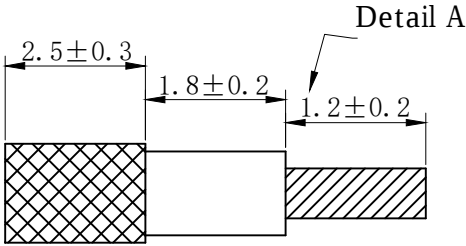
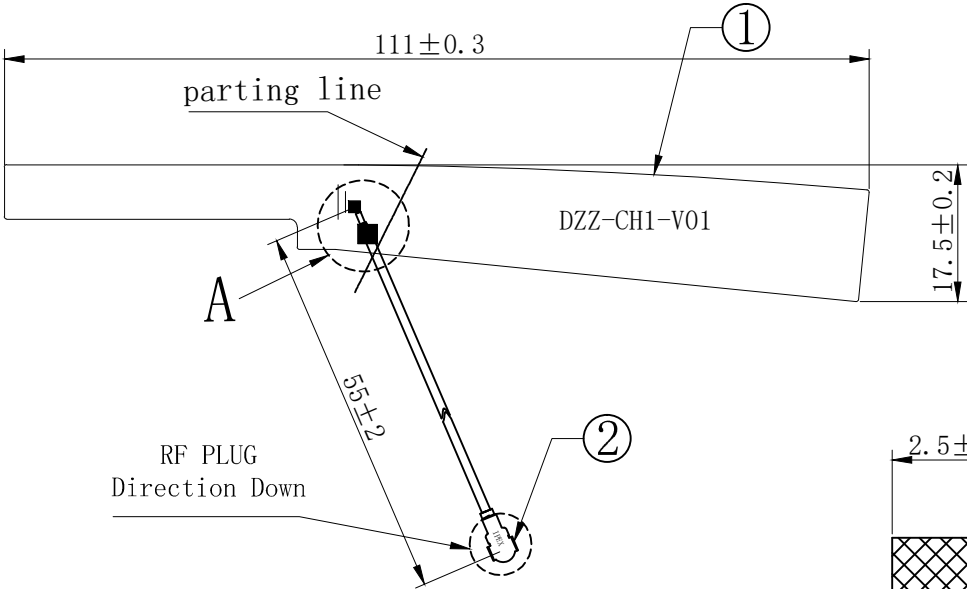


3. 样机结构说明件(Mechanical instruction)



Rev	Description	Date	Remark
A	New drawing		

 铜箔黑油
 镀线焊盘，露铜箔



- Technical requirements:
1. The size marked with "*" is the key control size;
 2. According to the drawing without dimensions indicated;
 3. No welding defects such as false soldering, solder connection, short circuit, open circuit, etc;
 4. All components must comply with RoHS requirements;
 5. The finished product needs all testing performance.

4					
3					
2		LORA CABLE	φ1.13 double tin wire, L=55mm, BLACK, RF 1 PLUG	1	
1		LORA FPC	111*17.5mm	1	

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

Be-Comfortable 得自在				深 圳 市 得 自 在 科 技 有 限 公 司 SHEN ZHEN BE-COMFORTABLE CO.,LTD															
 Third Angle				Project		CHI		Date		2023-06-14									
0~10		±0.05		0.02		Part Name		LORA ANTENNA		Designed by		李海波							
10~18		±0.10		φ0.03		Part No.		N0Z-1830-R0A		Checked by		RF		张斌					
18~30		±0.12		0.02		Material		/				PE							
30~40		±0.15		0.04		DWG No.		N0Z-1830-R0A		Approved by									
40~		±0.20	Angle		±0.5°														
Location								Unit		mm		Scale		1:1		Rev		A	

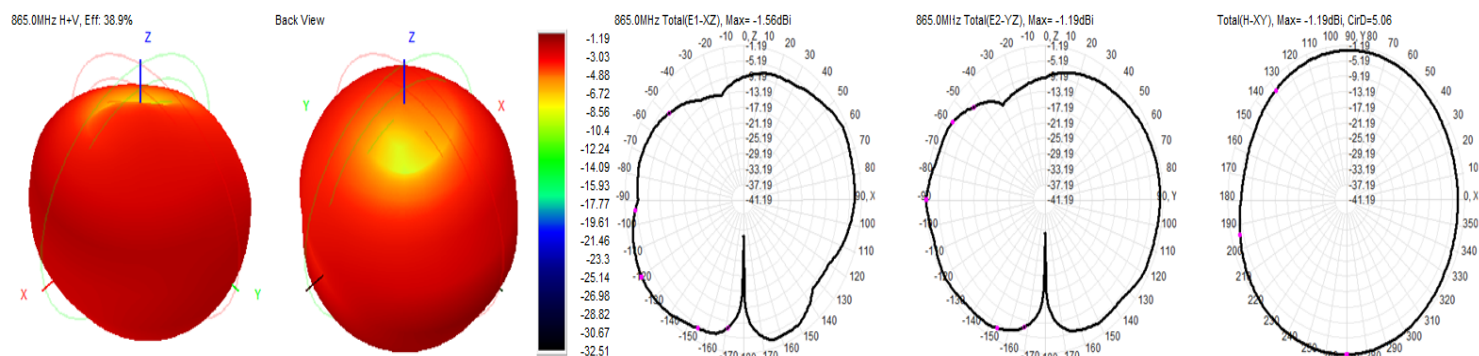
4. S11-Single antenna standing wave less than 2



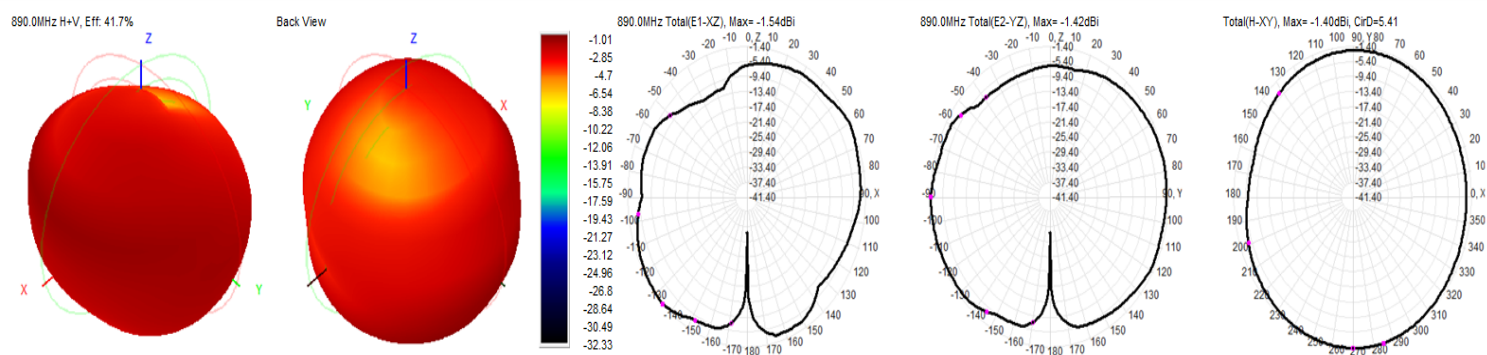
5. 增益/效率/3D图(Gain & Efficiency& 3D Pattern)

Frequency ID	9	10	11	12	13	14	15	16	17	18	19	20	21
Frequency (MHz)	860.0	865.0	870.0	875.0	880.0	885.0	890.0	895.0	900.0	905.0	910.0	915.0	920.0
Gain (dBi)	-1.40	-1.19	-1.05	-1.01	-1.04	-1.03	-1.01	-1.04	-1.14	-1.20	-1.07	-1.01	-1.59
Efficiency (%)	37.32	38.89	40.29	41.26	41.96	42.13	41.69	41.16	40.04	39.20	38.99	37.58	36.67

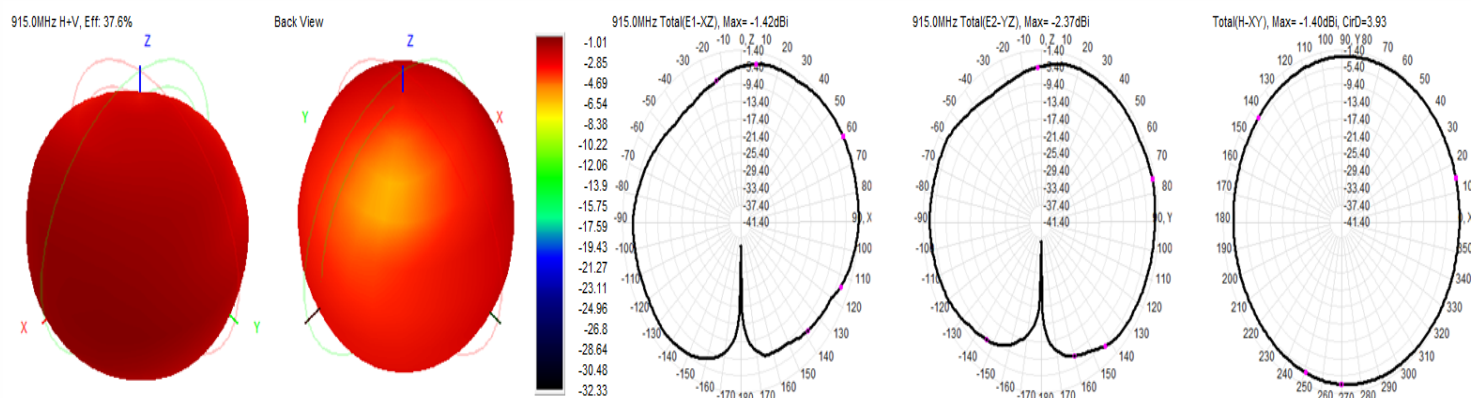
865MHZ



890MHZ



915MHZ

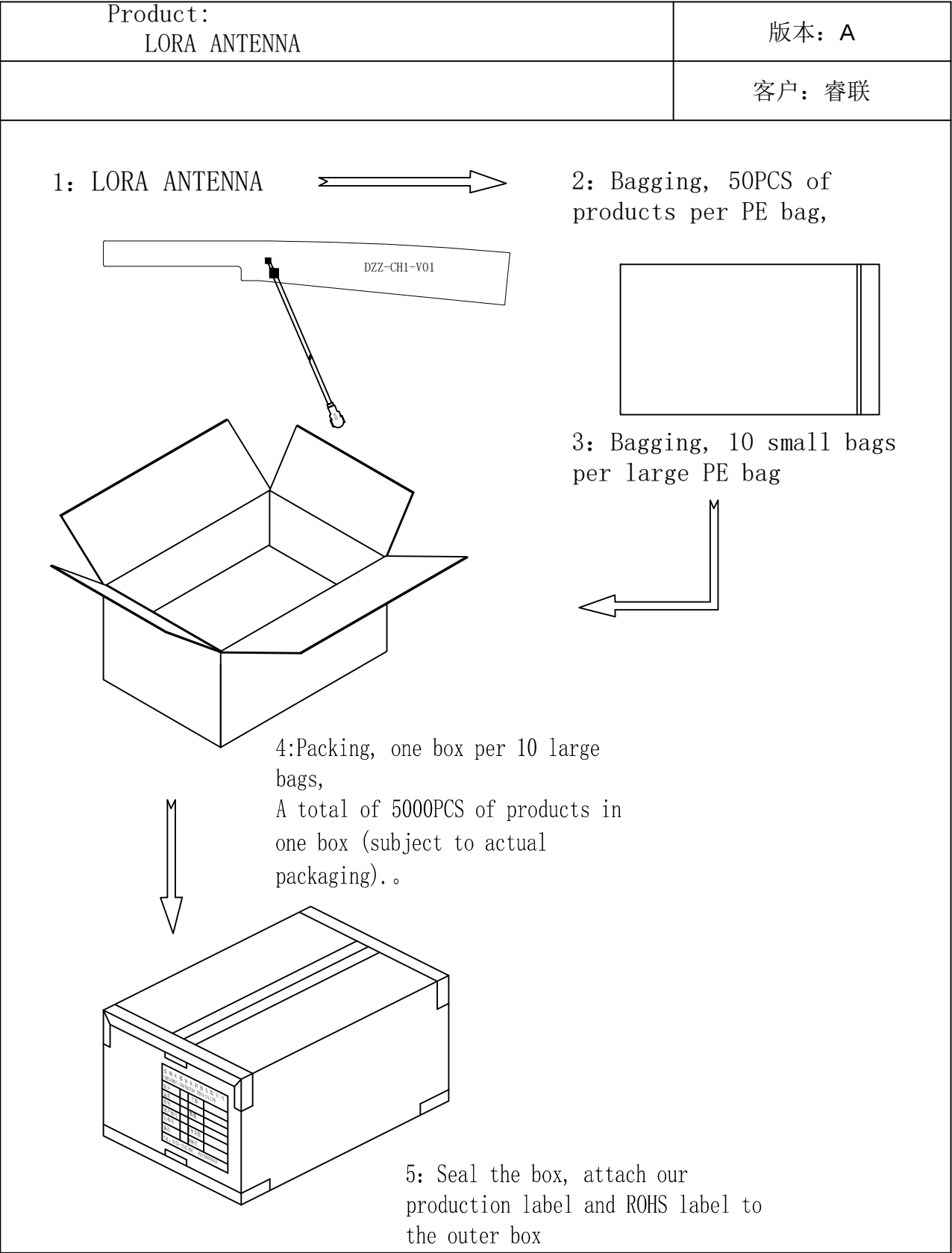


Product Packaging
Specification

Be-Comfortable
—— 得自在 ——

DATE: 2023-06-14

page: 1 of 1



批准: _____

确认: _____

拟制: 李海波