

SPECIFICATION FOR APPROVAL

CUSTOMER :	睿睿联联
PART NAME :	B17
PART NO. :	
DZZ NO. :	N12-6822-R0BB
REV. :	

	MANUFACTURERR SIGNATURE	CUSTOMER SIGNATURE
APPROVED BY:		
DATE:		

Shenzhen be-comfortable technology.co.,LTD

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上海市盟钜科技有限公司

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Antenna Assembly

Specification(With housing)

1.Electrical Properties

- 1.1 Frequecy range.....2.4~2.5/5150-5850GHz/5.55.85
- 1.2 Impedance.....50Ω Norminal
- 1.3 VSWR <3.05
- 1.4 Radiation.....Omni
- 1.5 Gain(Peak).....: 2.4G:2dBi/5G:2.5dBi
- 1.6 Polarization.....Linear
- 1.7 Admitted Power.....1W
- 1.8 Connector.....

2.Physical Properties

- 2.1 Working Temperature.....-30°C~+75°C
- 2.2 Storage Temperature.....-30°C~+75°C

Antenna Design for 1663

Document Number	DZZ-2022/11/156
Released Date	119/156/2022
Author	bBing Zhanging Zhang
Review By	Huiping Feng

Revised History

[illegible]

1. Antennas' setup and enviroment

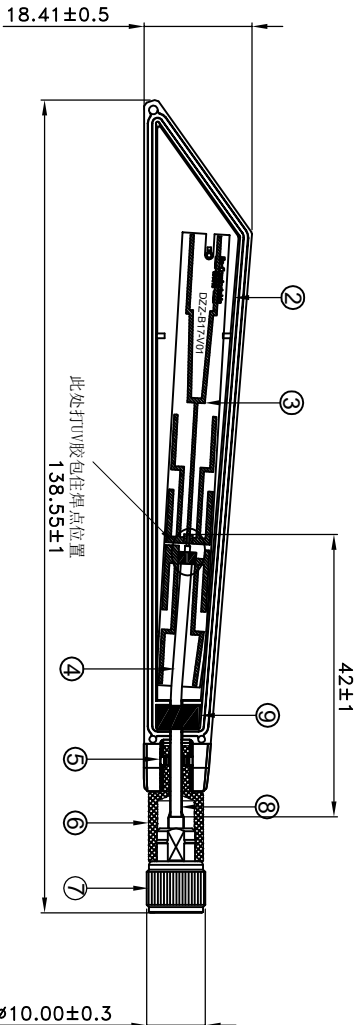
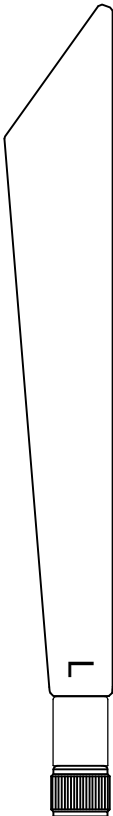
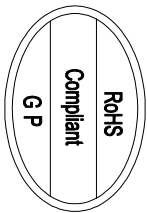
With housing

Single antenna

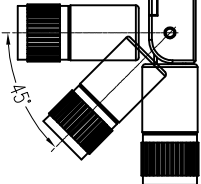


Customer part number : 62. 04. 040. 0020A

Rev	Description	Date	Remark
A	New drawing		



- Specification:
1. Antenna torsion: 300-700gf.cm;
 2. Dimensions marked with “*” are key control dimensions;
 - 3.No short circuit, open circuit and other welding defects ;
 - 4.All parts shall comply with ROHS requirements;
 - 5.Performance of finished products shall be fully inspected.



No.	Part No.	Name	Specification	Amount	Remark
1					
2					
3					
4					
5					
6					
7					
8					
9					

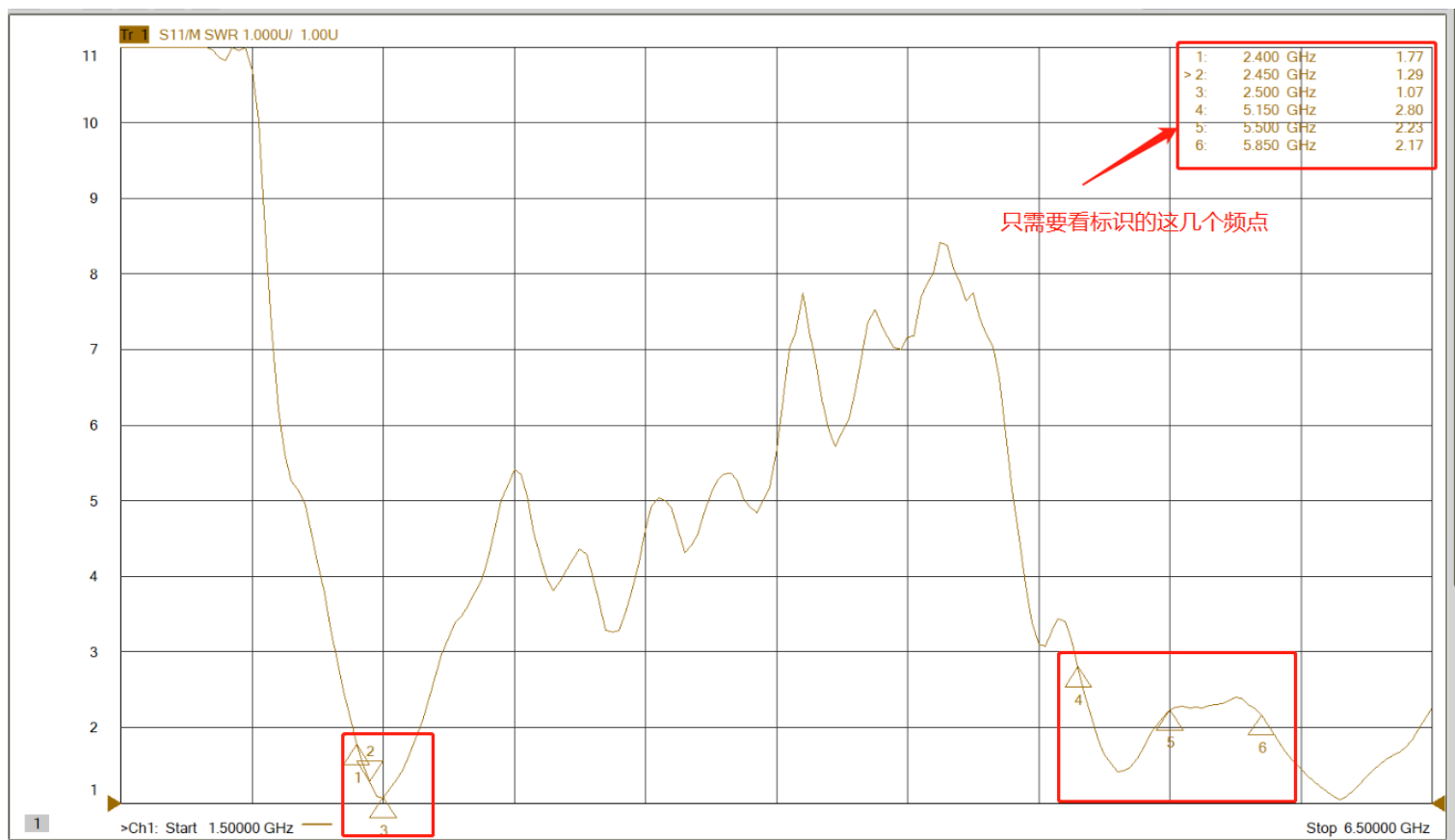
Be-Comfortable			深圳市得自在科技有限公司 SHENZHEN BE-COMFORTABLE,LTD				
得自在							
Third Angle		Project	B17	Date	2022-11-15		
0~10 ±0.05		Part Name	WiFi-A天线	Designed by	李从放		
10~18 ±0.10		Part No.	N12-6822-R0B	Checked by	MD		
18~30 ±0.12		Material	/	Approved by	RF 张斌		
30~40 ±0.15		DWG No.	N12-6822-R0B	Unit	mm	Scale	1:1
40~ ±0.20		Angle	±0.5°	Rev	B		

2. Analyzer Measurement

2.1 Ant3 2.4G/5 WIFI-2 passive

test results

Single antenna standing wave less than 3.0



4.1 WIFI Gain & Efficiency

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)	2.29	1.40	1.18	1.36	2.29	2.77	2.55	2.08	1.85	1.67	1.68
Efficiency (%)	72.04	68.24	63.06	61.90	63.88	63.51	63.17	65.05	69.68	68.89	69.63

Frequency ID	12	14	16	17	19	20	21	22	25	26
Frequency (MHz)	5150.0	5250.0	5350.0	5400.0	5500.0	5550.0	5600.0	5650.0	5800.0	5850.0
Gain (dBi)	2.97	2.95	2.85	3.36	2.95	3.83	3.20	2.47	1.46	1.25
Efficiency (%)	55.64	57.08	59.30	61.76	56.50	66.54	57.25	48.72	50.97	50.95

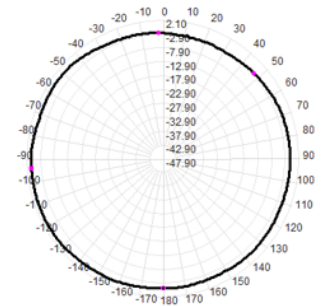
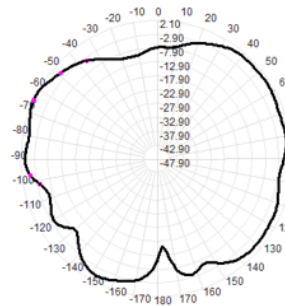
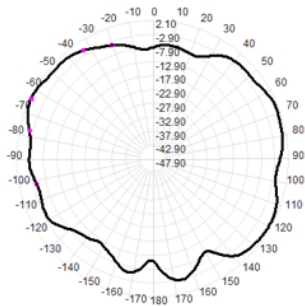
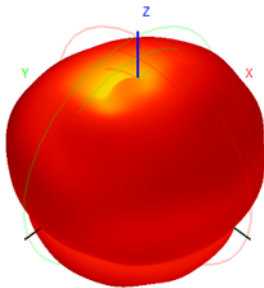
3D Pattern @2400-2500/5150-5850MHZ

2400MHZ

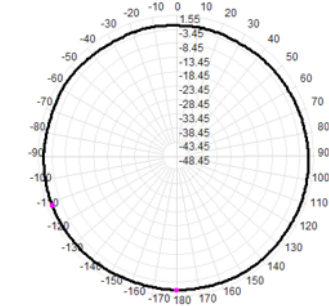
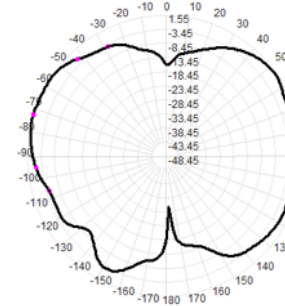
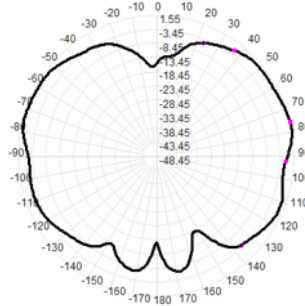
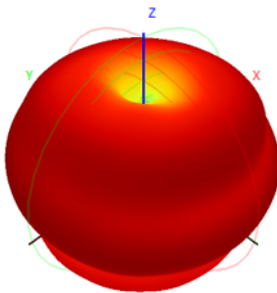
XZ

YZ

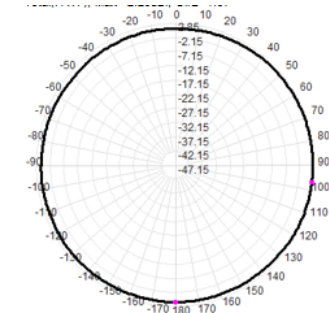
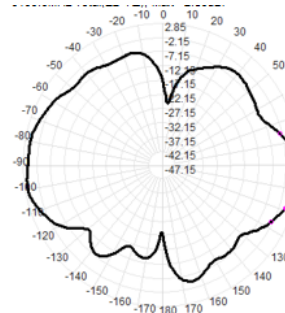
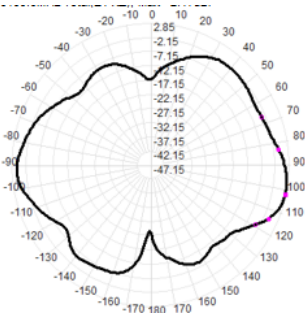
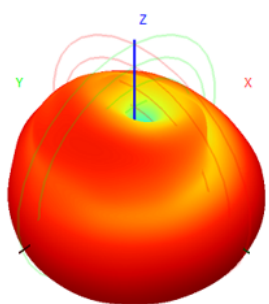
XY



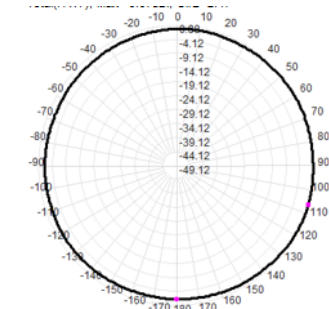
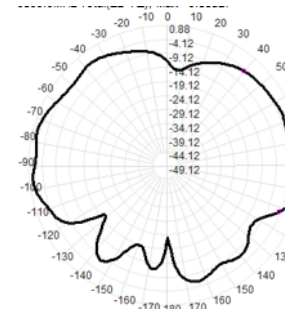
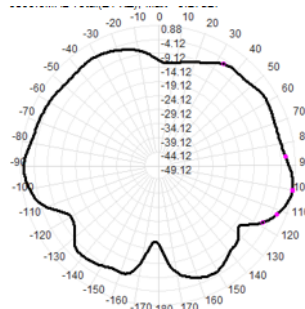
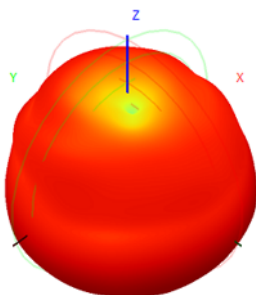
2500MHZ



5150MHZ



5850MHZ



Product packaging specification

DATE:2022-11-15

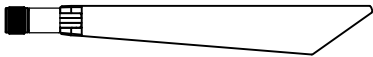
page: 1 of 1

Products Name: B17-WIFI

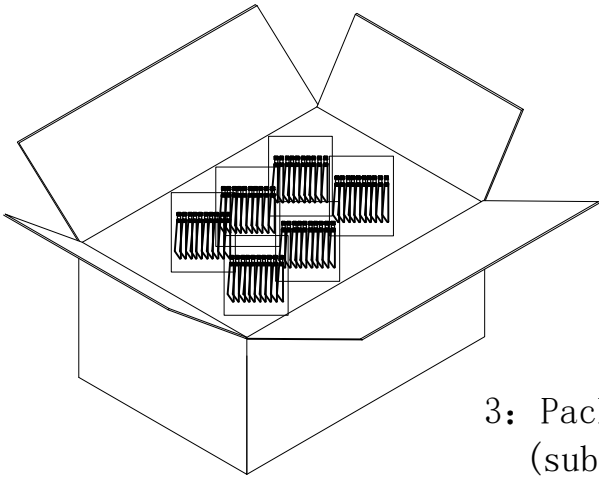
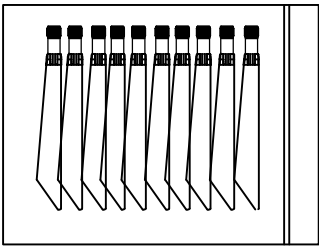
Version:A

Customer:睿联

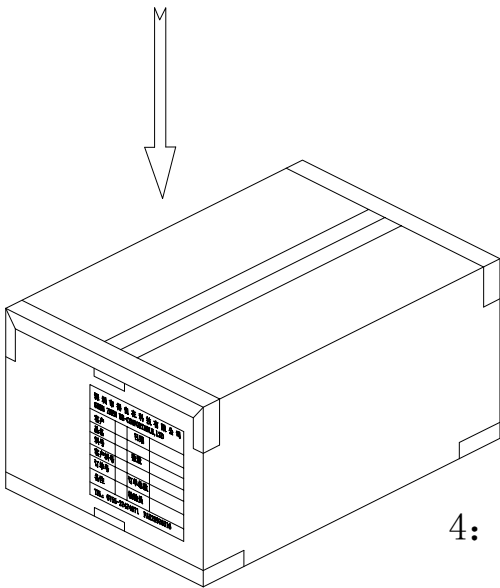
1: Antenna products



2: Bagging, each PE bag contains 50pcs of products;
The terminal shall be wrapped with foam.



3: Packing 12 bags per box,600PCS in total
(subject to the actual packaging)



4: Our production label and RoHS label
are pasted on the outer case.

Approved: _____ Checked: _____ Designed: 李从放