

SPECIFICATION FOR APPROVAL

CUSTOMER :	yuanchuan
PART NAME :	WiFi dual frequency 5dbi antenna
PART NO. :	
DZZ NO. :	N12-7419-R0A
REV. :	1.0

	MANUFACTURERR SIGNATURE	CUSTOMER SIGNATURE
APPROVED BY:		
DATE:		

Shenzhen be-comfortable technology.co.,LTD

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shanghai mengju technology co., LTD

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Antenna Design for WiFi dual frequency 5dbi antenna V1.0

Document Number	DZZ-202230919
1st Released Date	13/09/2023
Author	Huiping Feng
Review By	Huiping Feng

Antenna Assembly

Specification(With housing)

1.Electrical Properties

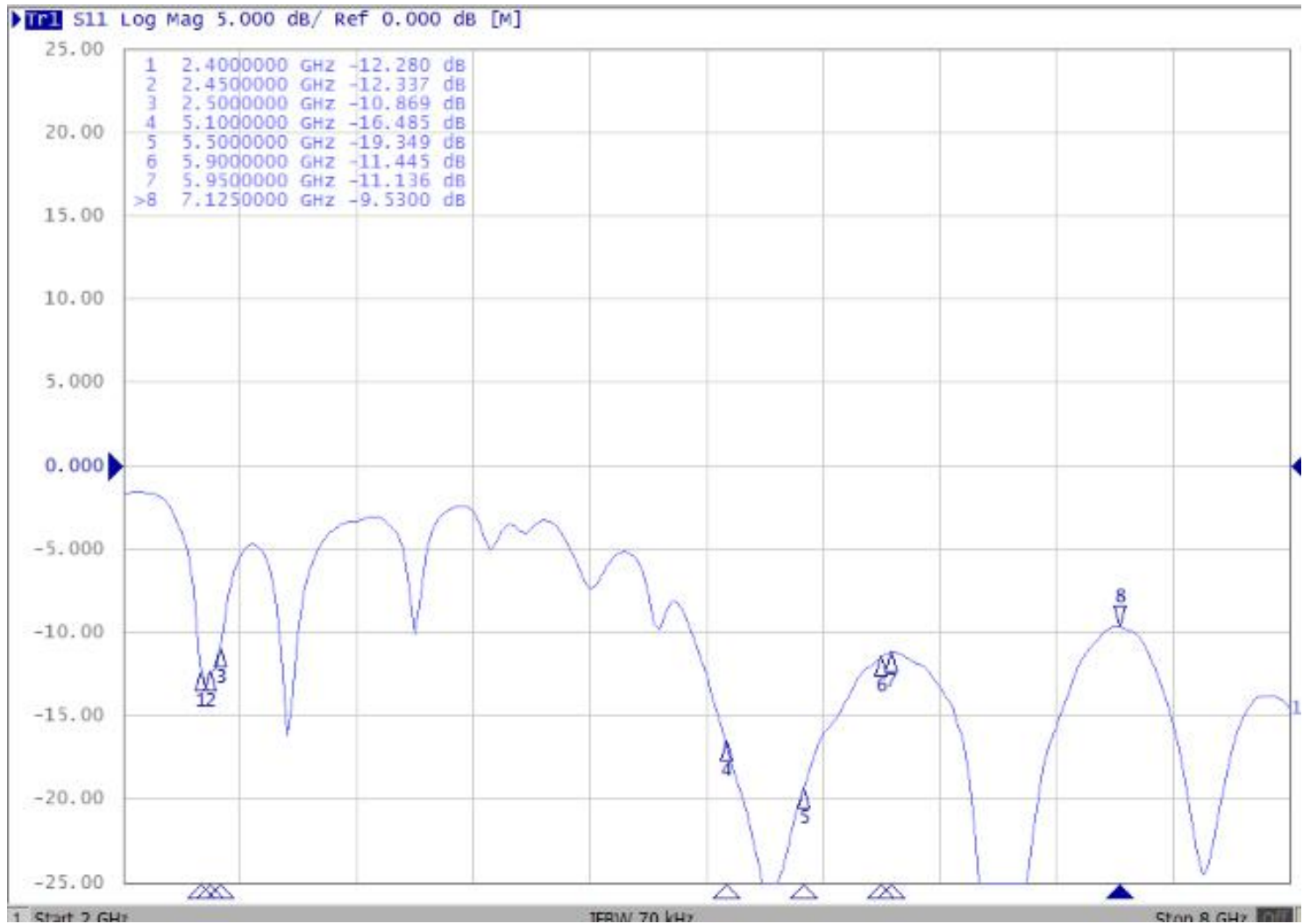
- 1.1 Frequecy range.....2.4G~2.5G&5.1G~5.9G
- 1.2 Impedance.....50Ω Norminal
- 1.3 VSWR≤2
- 1.4 Return Loss≤-10dBm
- 1.5 Radiation.....Omni
- 1.6 peak Gain.....5dBi
- 1.7 Polarization.....Linear
- 1.8 Admitted Power.....1W
- 1.9 Cable.....NONE

2.Physical Properties

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

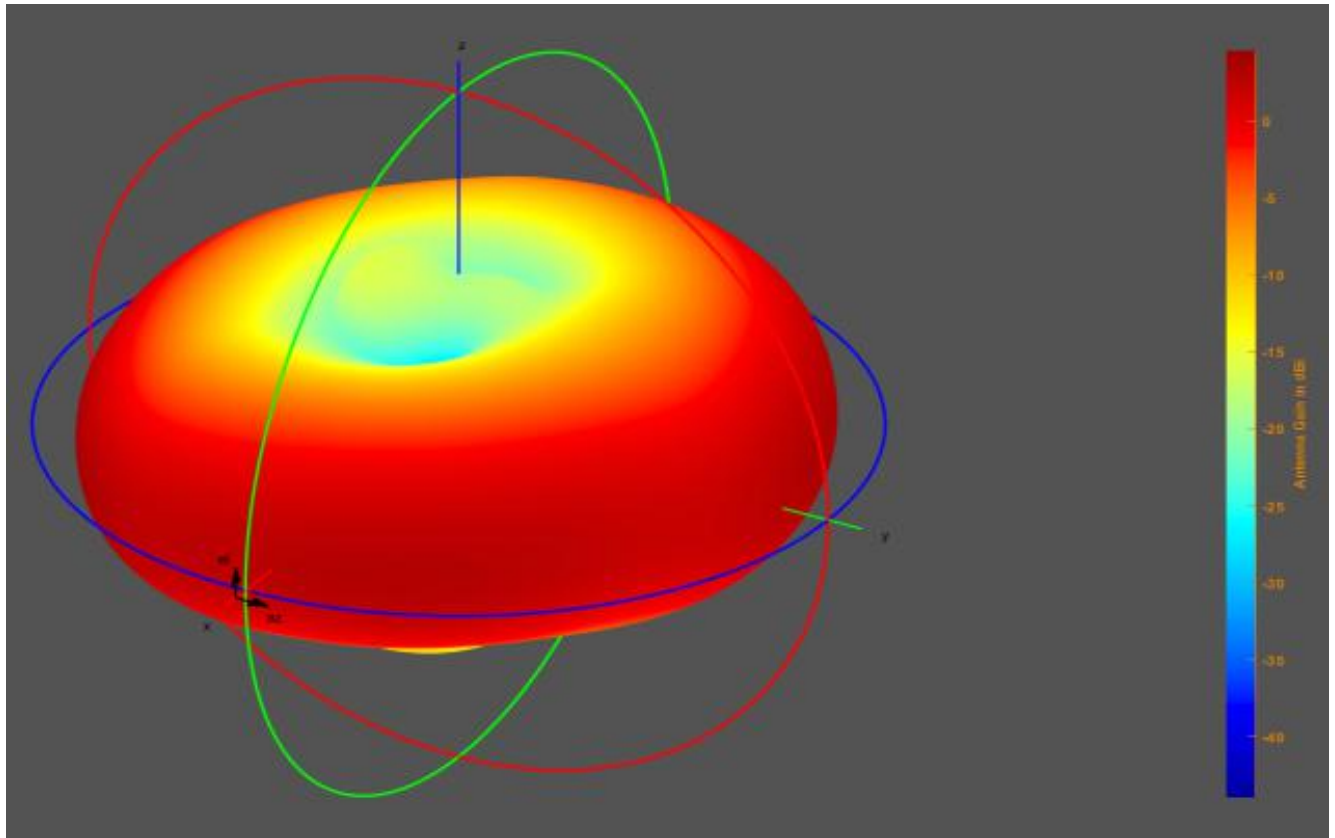
1. Analyzer Measurement

1.1 S11 test results

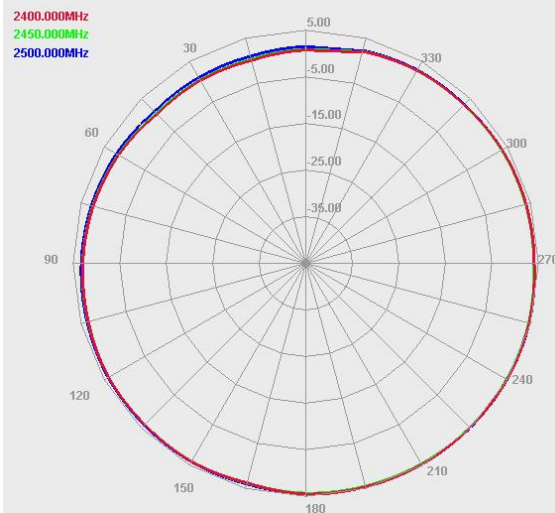


2. 2D&3D

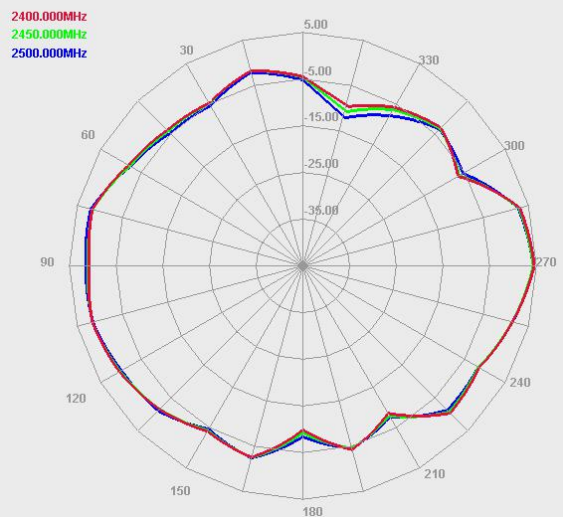
2.1 2.4G



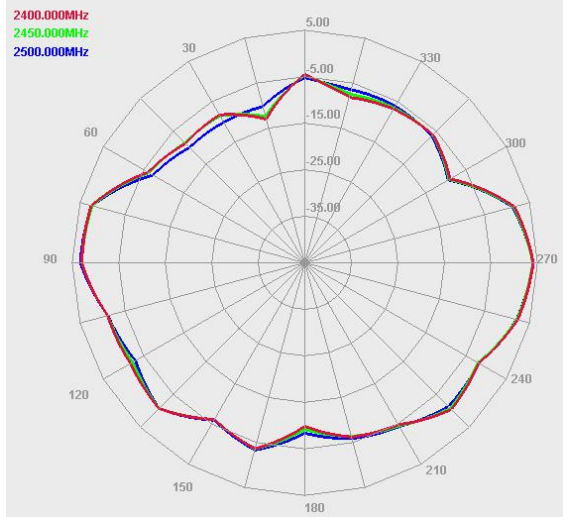
Horizontal



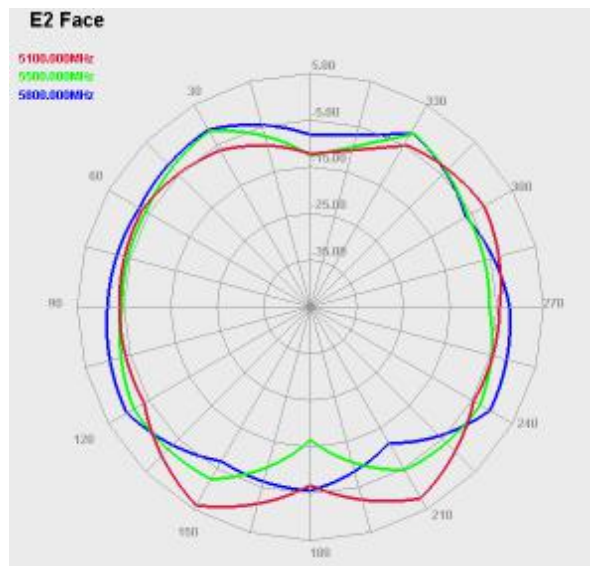
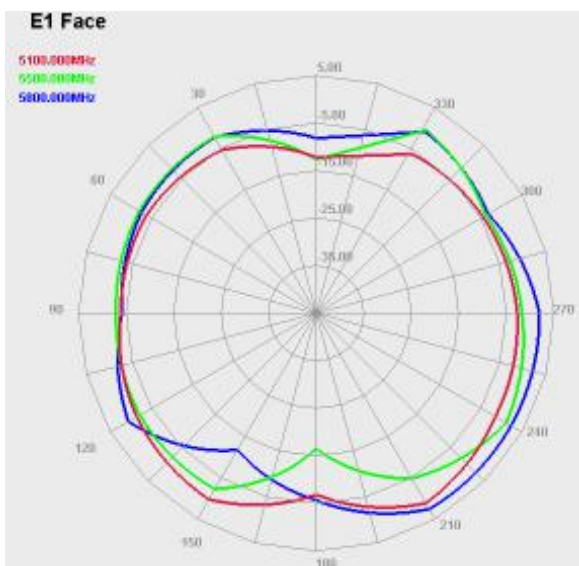
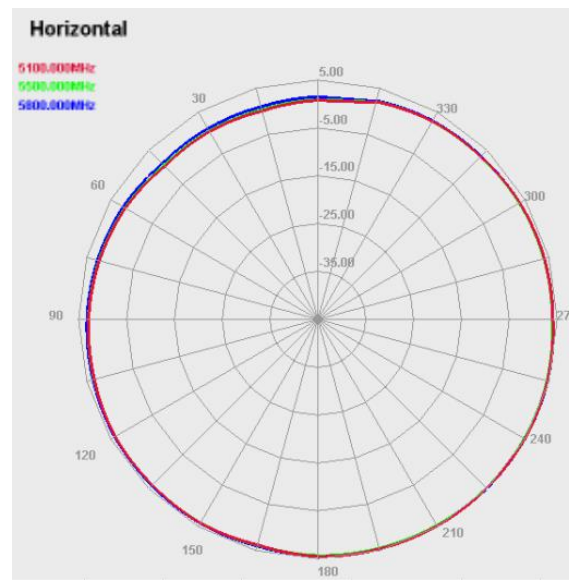
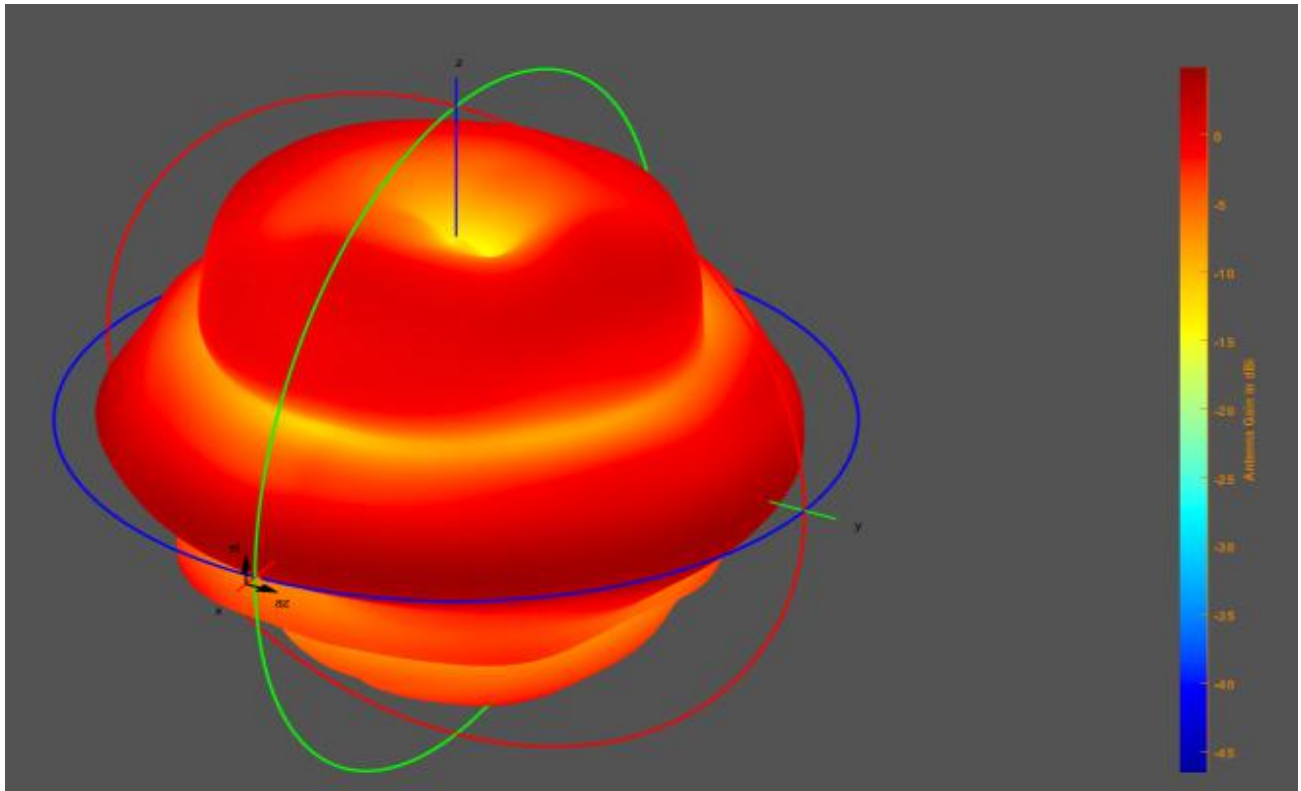
E1 Face



E2 Face



2.2 5G



3. Passive Data

Freq (MHz)	Effi (%%)	Gain (dBi)
2400	76.22	4.81
2410	77.89	4.87
2420	78.52	4.92
2430	78.86	4.98
2440	78.91	4.99
2450	78.57	5.02
2460	78.24	5.01
2470	77.76	4.97
2480	77.58	4.92
2490	76.39	4.91
2500	76.25	4.83
5100	66.05	4.85
5200	66.82	4.89
5300	67.95	5.01
5400	69.85	5.05
5500	72.02	5.06
5600	70.42	5.01
5700	69.91	4.95
5800	66.27	4.93
5900	66.07	4.83

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Rohs Compliant G P															
194±3.00 ③ ⑤ ④ ② ⑥ ⑦ ⑧ ① 148.20±1.00 ⑦ *6.0±0.2 13.10±0.50															
148.20±1.00 ⑦ ⑦ ⑦															

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Product packaging specification

date: 2023.9.11

page: 1 of 1

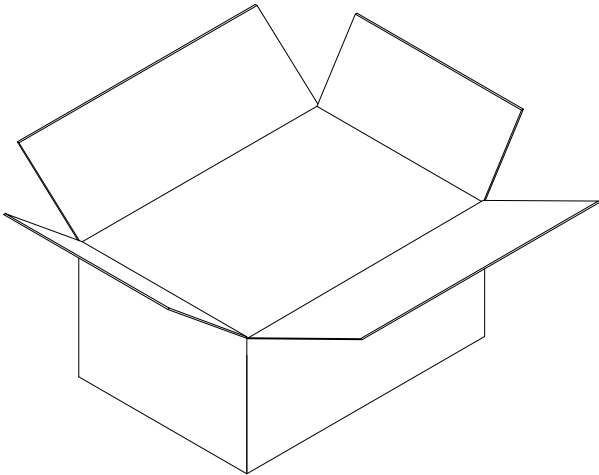
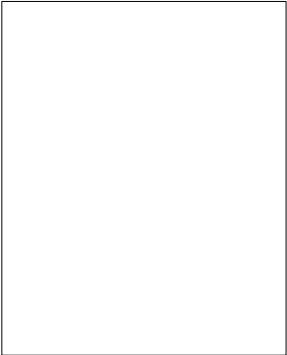
版本: A

Product name: External antenna

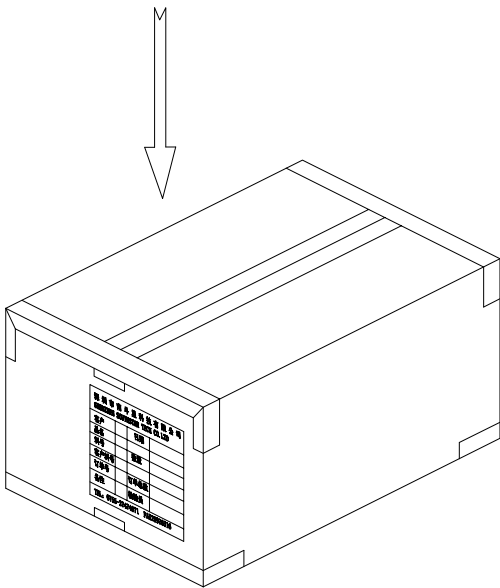
一: Finished antenna



Two: Put it in a PE bag



4. The actual packing shall prevail



Four: The box is sealed, and the outer box is affixed with our production label and ROHS label.

批准: _____

确认: _____

拟制: tianjin