



APPROVAL SHEET

supplier: XinNuo mountain

CUSTOMER:: Antenna

DISCRIPTION:: WIFI/BT

MODEL NO:: WBP700-1B80B-D

CUSTOMER P/N:: D115A

CUSTOMER MODEL:

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1. Project information and Electrical Specification

Those specifications were specially defined for D115A model, and all characteristics were measured under the model's handset testing jig .

1-1 Project picture



1-2 Frequency Band:

Frequency Band	MHz
GPS/Wi-Fi/BT	1575/2400-2500/5050-5850

1-3 Impedance matching

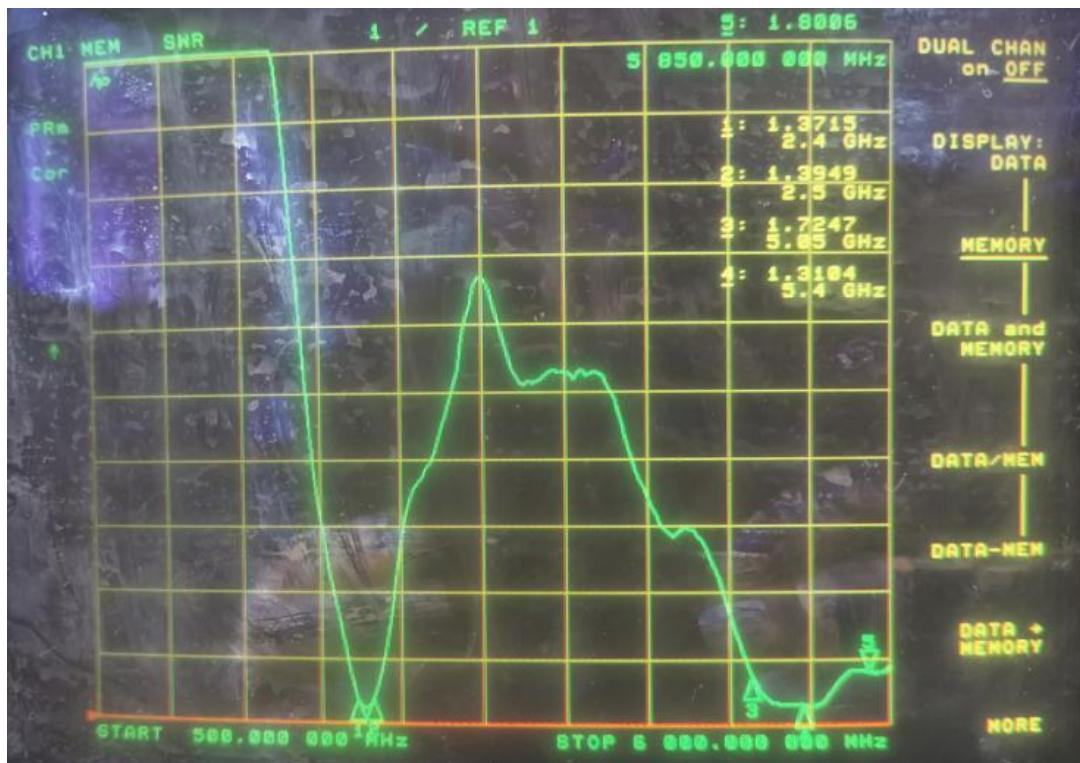
2. VSWR

2-1 Measuring Method:

1. A 50Ω coaxial cable is connected to the antenna. Then this cable is connected to a network analyzer to measure the VSWR,
2. Keeping this jig away from metal at least 20cm.

2-2 S11 parameter values

(MHZ)	2400	2500	5050	5400	5850
standing wave	1.37	1.39	1.72	1.31	1.80

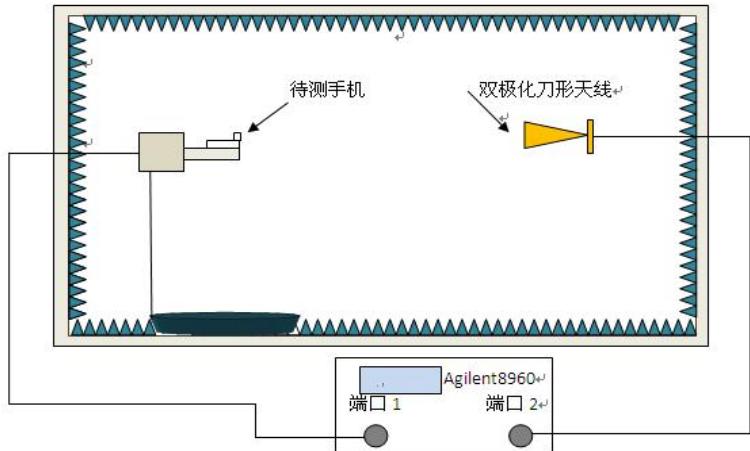


Efficiency and Gain

***measuring and test instruments:**

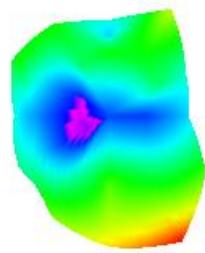
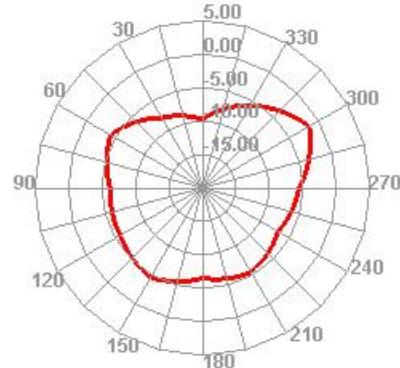
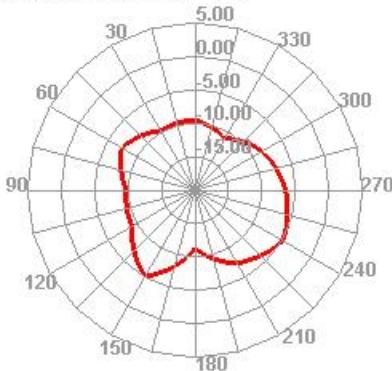
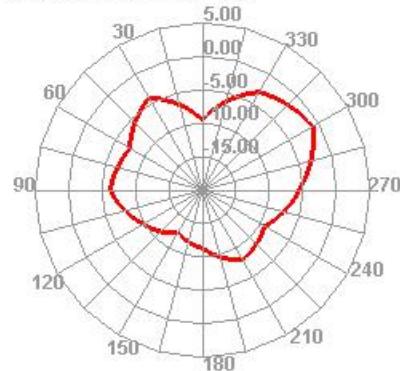
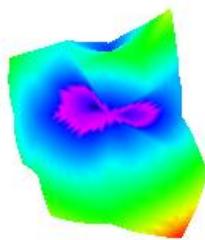
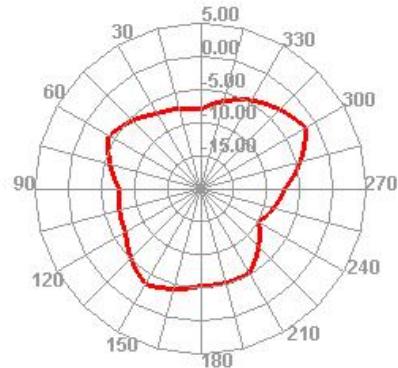
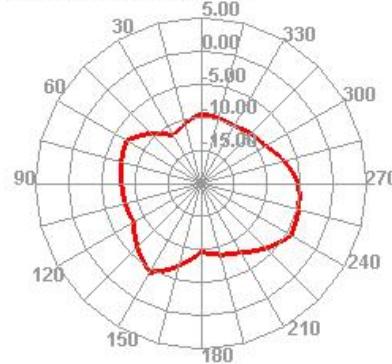
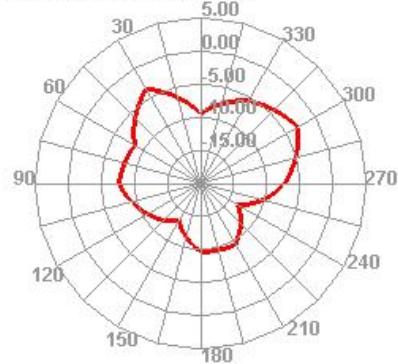
***test method:**

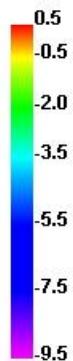
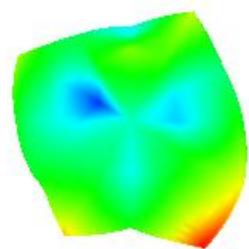
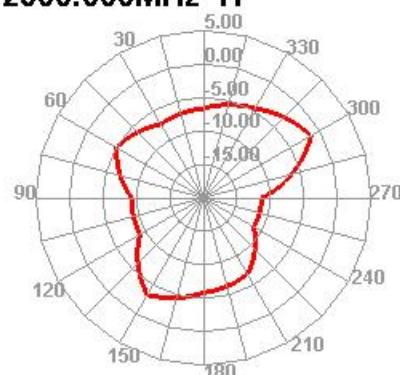
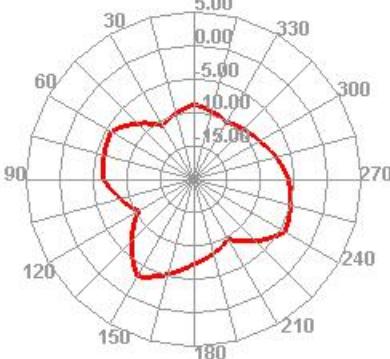
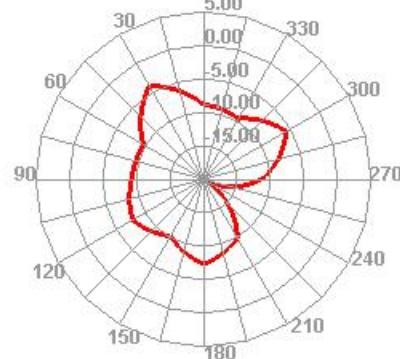
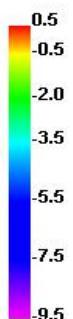
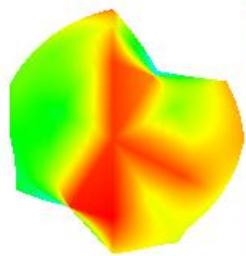
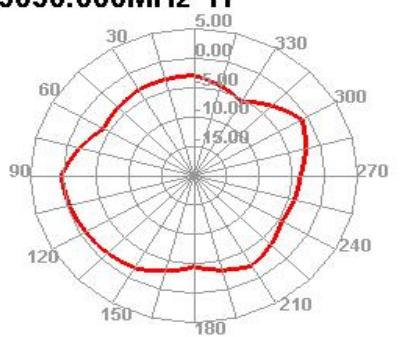
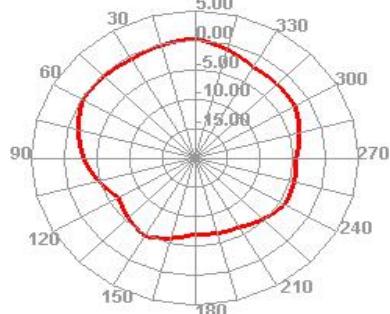
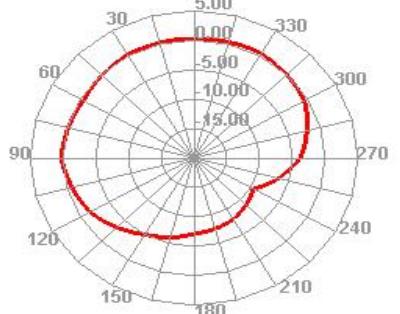
equipmentPlace the H side at the center on the same horizontal line as the center of the horn antenna.

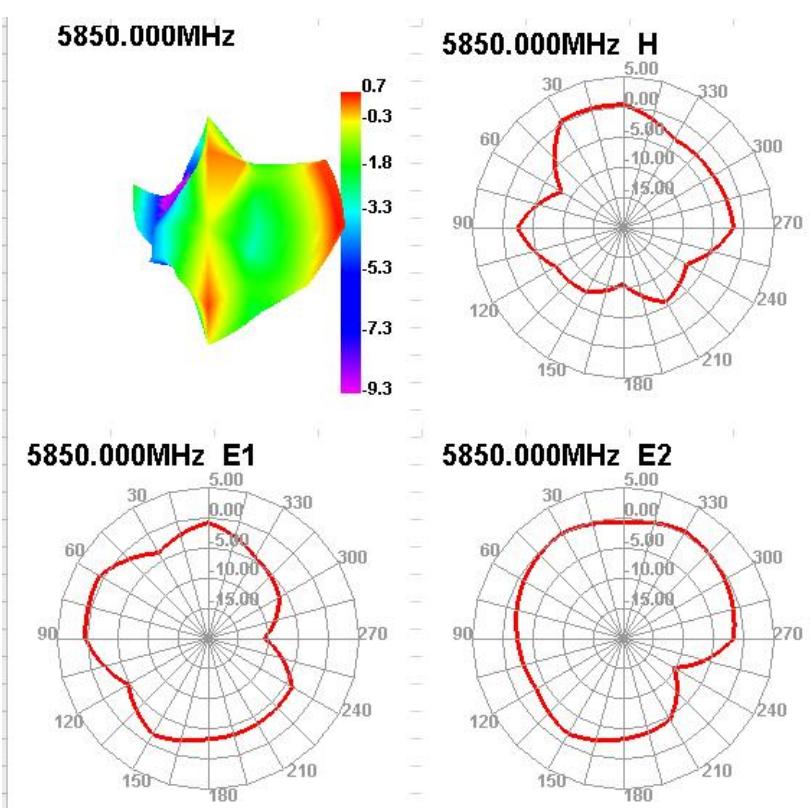
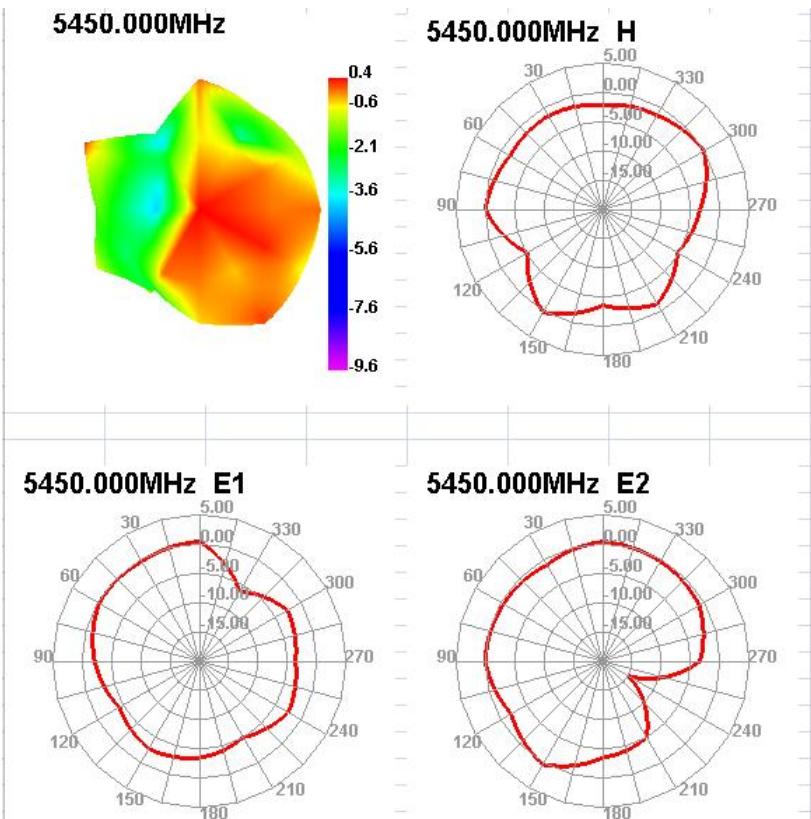


3-1 Efficiency/Gain- WIFI/BT

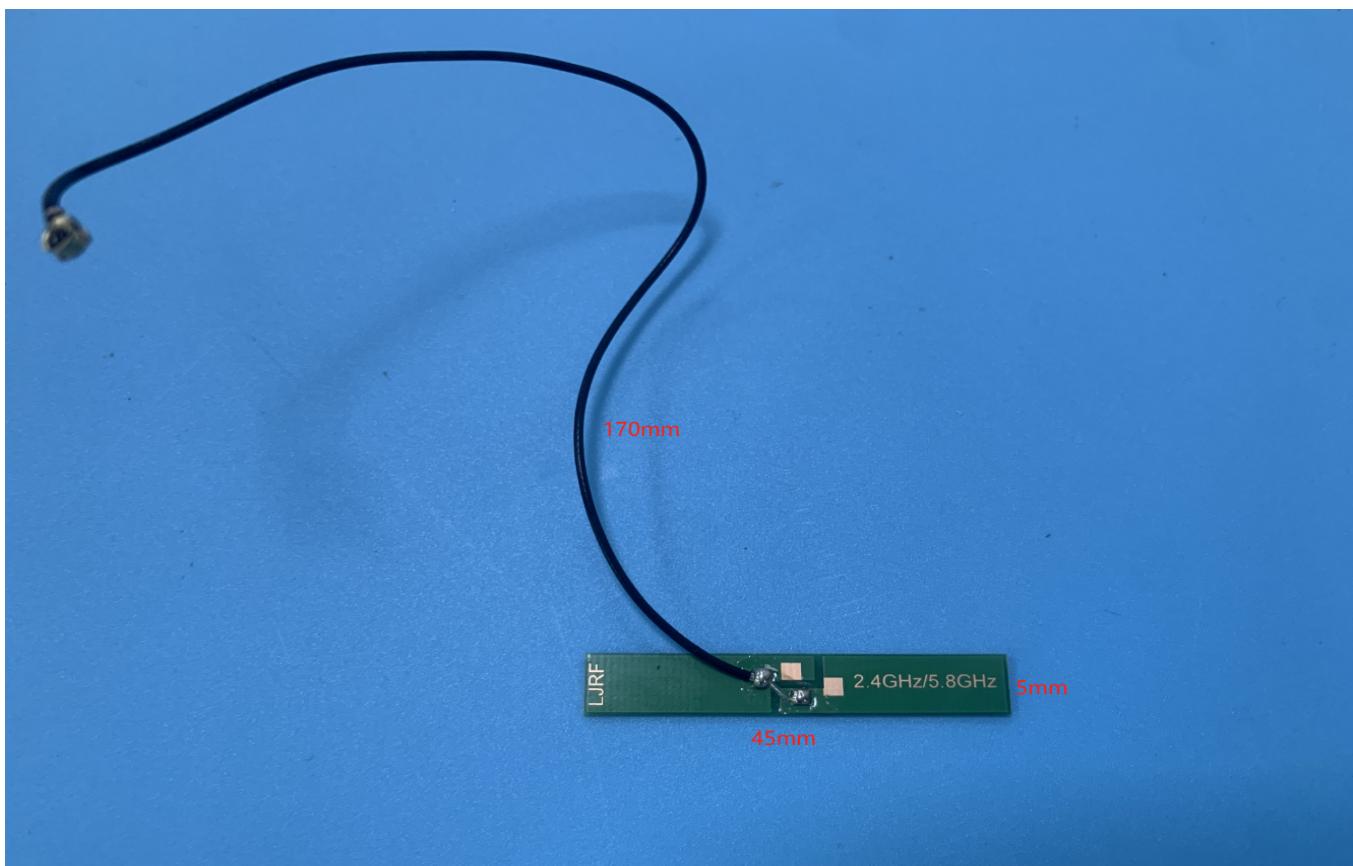
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	43.25	-3.64	-0.69
2450	41.22	-3.85	-0.00
2500	42.18	-3.75	-0.55
5050	43.12	-3.65	-0.05
5450	42.18	-3.75	-0.41
5850	46.02	-3.37	-0.00

2400.000MHz**2400.000MHz H****2400.000MHz E1****2400.000MHz E2****2450.000MHz****2450.000MHz H****2450.000MHz E1****2450.000MHz E2**

2500.000MHz**2500.000MHz H****2500.000MHz E1****2500.000MHz E2****5050.000MHz****5050.000MHz H****5050.000MHz E1****5050.000MHz E2**



5. The production index



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