



深圳信诺山通信技术有限公司

Shenzhen SignalSen Telecom Technology Co , .Ltd

WIFI 天线规格书

WiFi Antenna specification

我司料号 Our material No: W01-1Y80B-Z4

Antenna type:PIFA

客户:		项目名 Q 88
Customer:		Project: Q 88
频段: WiFi/BT	日期: 2026/7/8	版本: R:A
FB: WiFi/BT	Data: 7/8/2026	Version: R:A

Address:

Room 211, Hengbo science and technology Industrial Park, Qingning road,
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contents

contents	2
1. PROJECT INFORMATION AND ELECTRICAL SPECIFICATION	3
1-1 Project picture	3
1-2 Frequency Band:	3
1-3 Impedance matching	3
2. VSWR	3
2-1 Measuring Method:	3
2-2 S11 parameter values	4
3. EFFICIENCY AND GAIN	4
3-1 Efficiency/Gain- WIFI/BT	5
4. THE PRODUCTION INDEX	7
5. STRUCTURAL DRAWINGS	8

1. Project information and Electrical Specification

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

1-1Project picture



1-2 Frequency Band:

Frequency Band	MHz
WiFi/BT	2400-2500

1-3 Impedance matching

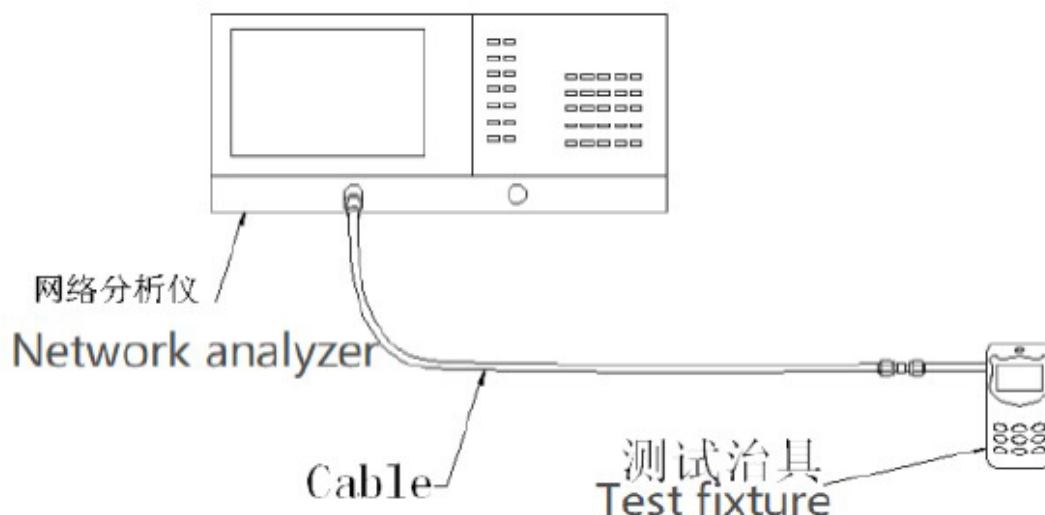
All matching devices on the RF circuit of DUT remain unchanged

2.VSWR

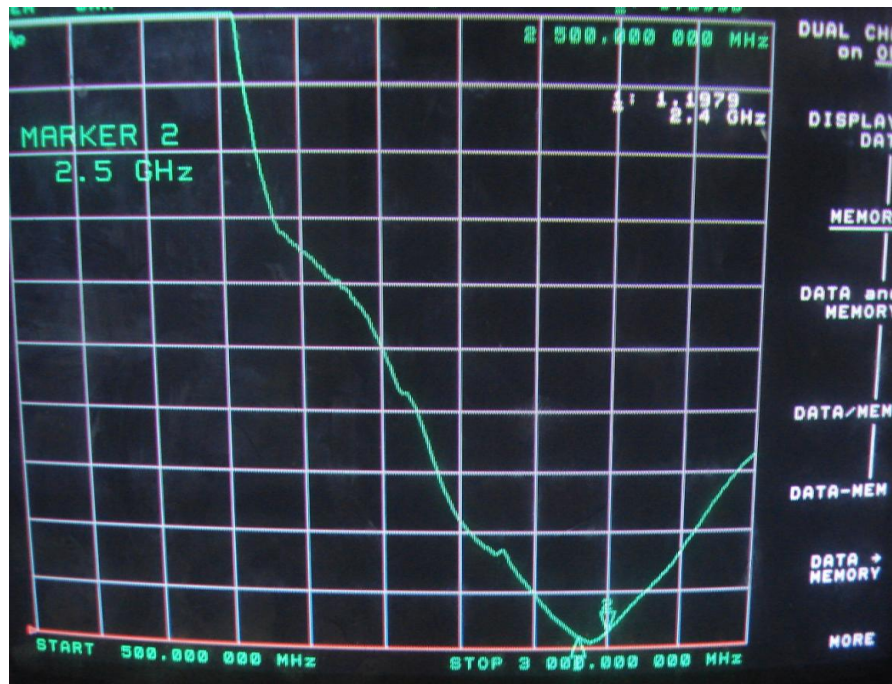
2-1 Measuring Method:

- 1. A 50 Ω 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.*

测试示意图如下 The test diagram is as follows:



2-2 S11 parameter values



3. Efficiency and Gain

*measuring and test instruments:

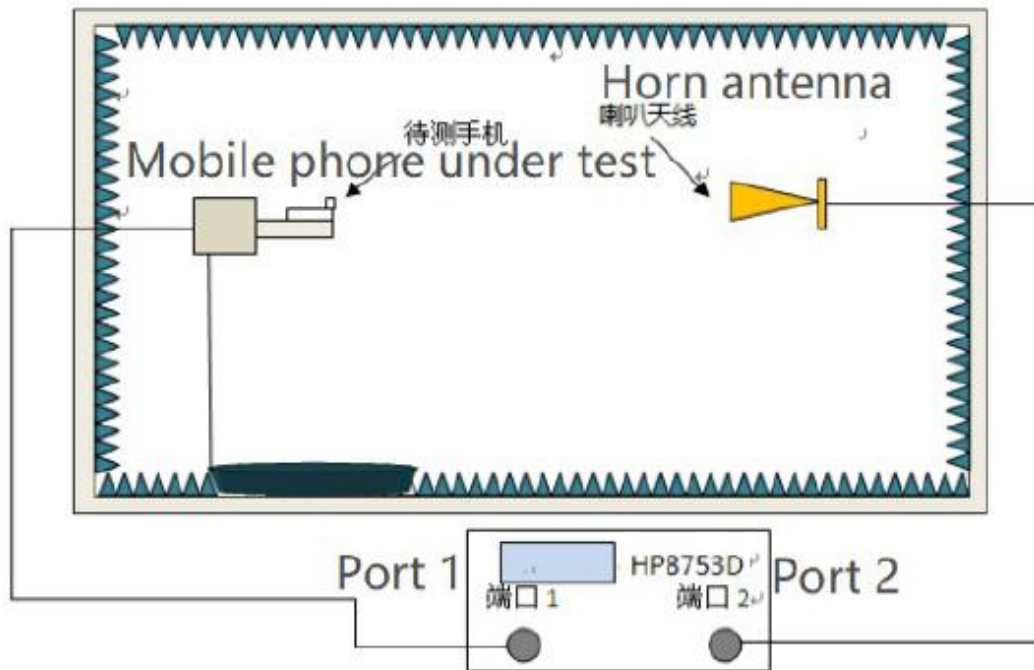
Microwave anechoic chamber

Agilent Microwave anechoic chamber

Agilent Spectrum analyzer

8960 Network analyzer

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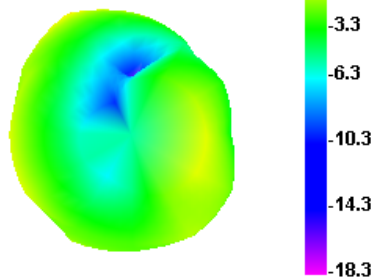


3-1 Efficiency/Gain- WIFI/BT

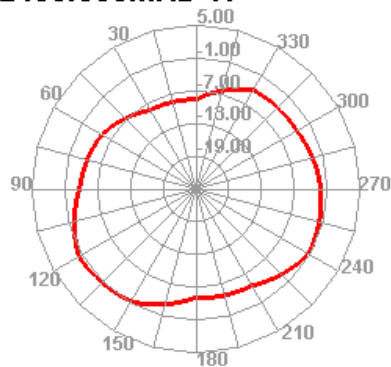
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	50.67	-2.95	1.73
2450	50.75	-2.95	1.69
2500	51.75	-2.86	1.9

2D&3D Radiation pattern

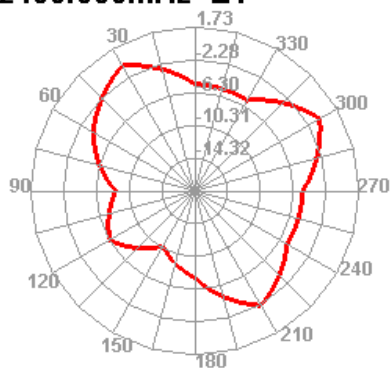
2400.000MHz



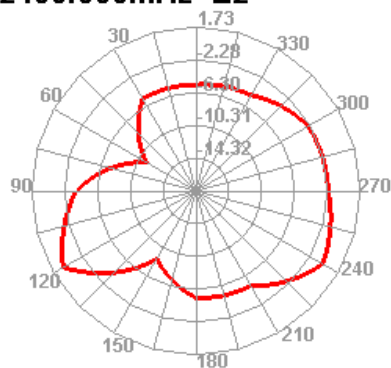
2400.000MHz H



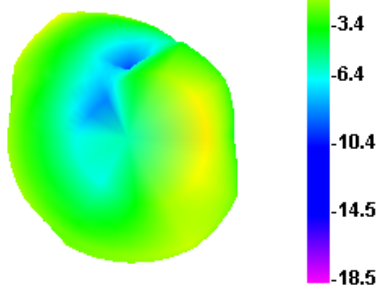
2400.000MHz E1



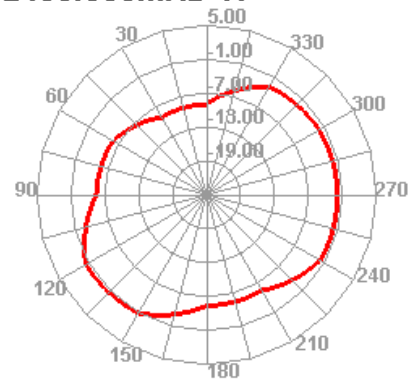
2400.000MHz E2



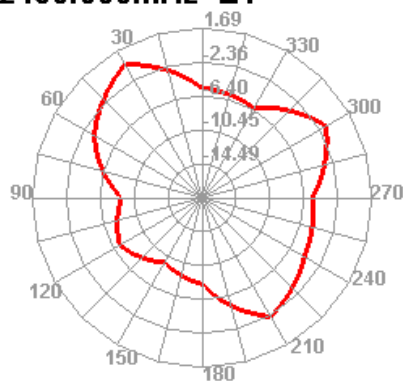
2450.000MHz



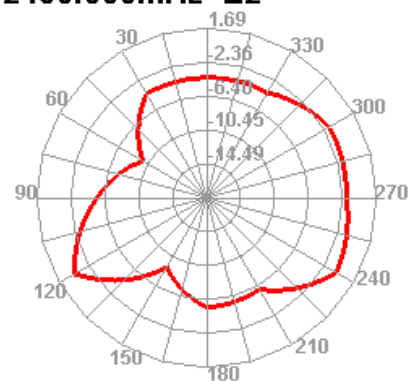
2450.000MHz H



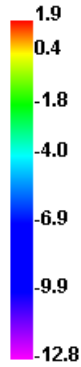
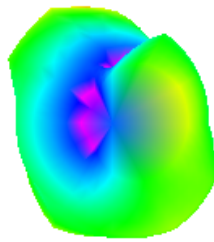
2450.000MHz E1



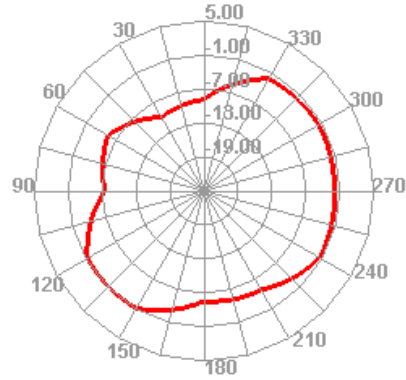
2450.000MHz E2



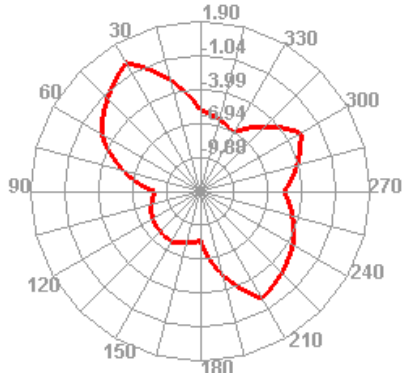
2500.000MHz



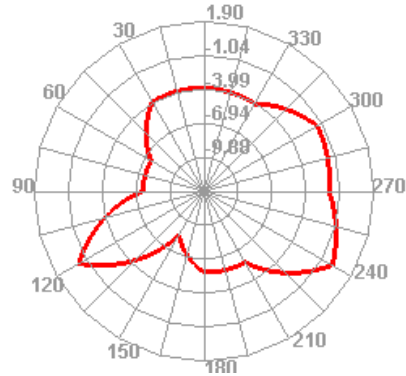
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



4. The production index

In the mass production of antenna, the standing-wave ratio is used as the test standard.

According to the differences of the project itself, the following standards are given:

Frequency (MHZ)	Mass production standard
WIFI (2400-2500)	VSWR (Mass production products) < <VSWR(Design sample)+>+0.5

5. structural drawings

