

Dongguan Xiaoshuai Electronics
Technology Co., Ltd

Product recognition

SPECIFICATION FOR APPROVED

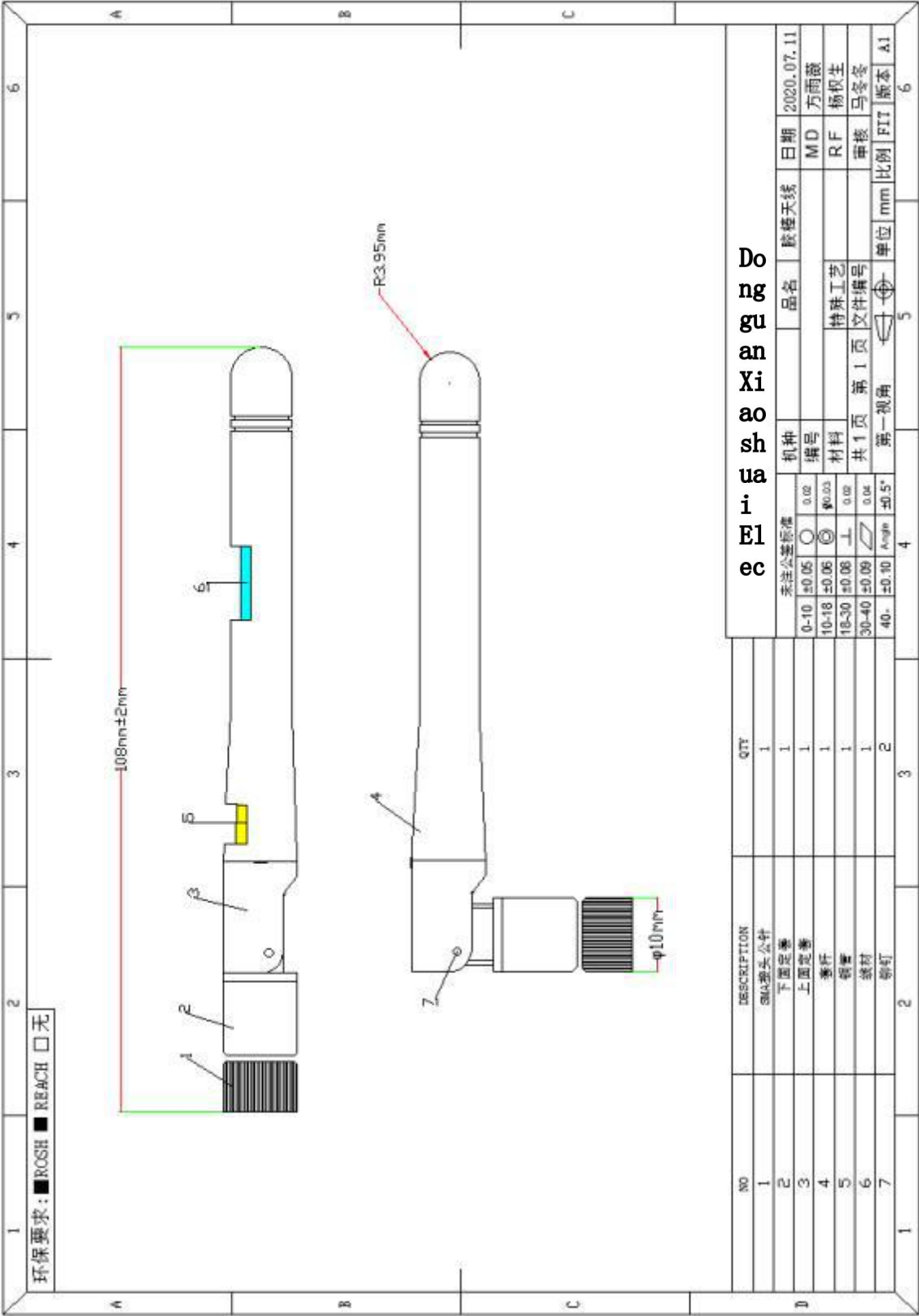
Customer CUSTOMER: _____
product name
PRODUCTS : _____ 5G-2DB, rubber rod antenna
Customer material number
PART NO: _____
product model _____ H M 2 (mother needle) H
Spec . :
date
Data : _____ 2022.05.16

supplier		
SUPPLIER		
Fit the PREPARED BY	Review the CHECKED BY's	ratify APPROVED BY
Wang Dahai	Wang Xiao	Ale n

client		
CUSTOMER		
admit ACCEPTED BY	examine and verify CHECKED BY	Approval of the APPROVED BY's

Project information Project Information

Appearance dimension Appearance and Dimensions



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1. Physical drawing Physical map

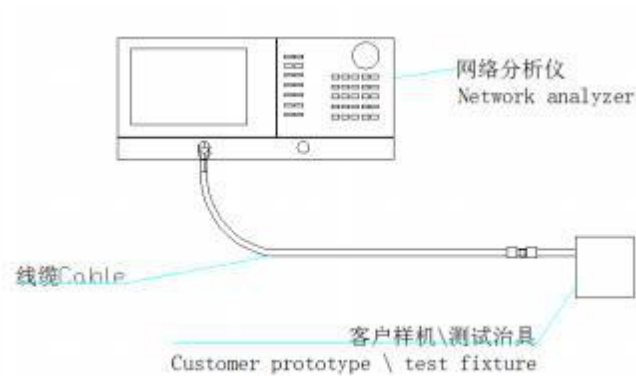


2. Electrical performance: Electrical Characteristics

2.1. Test the environmental conditions of T est Environment Conditions

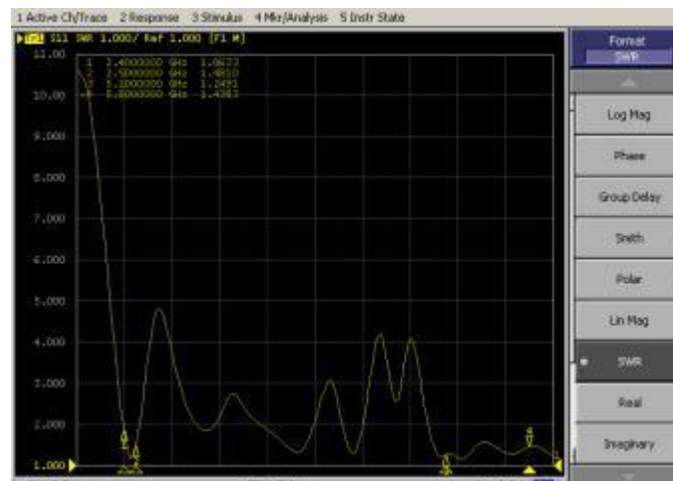
temperature Temperature	Ordinary Temperature (5 to 35℃)
Humidity: Humidity	Ordinary Humidity (25 to 85% RH)

2.2., Test method Measurement meth od

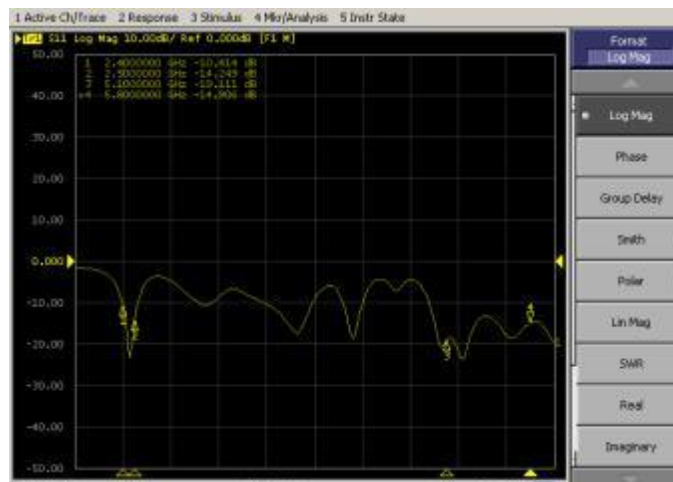


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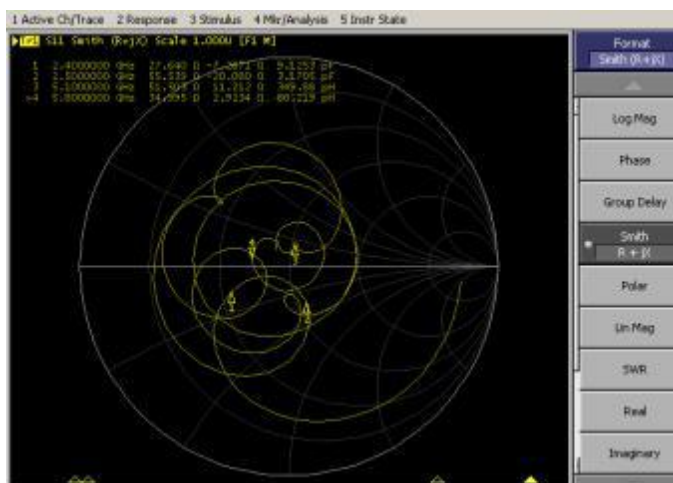
2.2.1. Voltage wave ratio VSWR



2.2.2 Echo loss: Log Mag

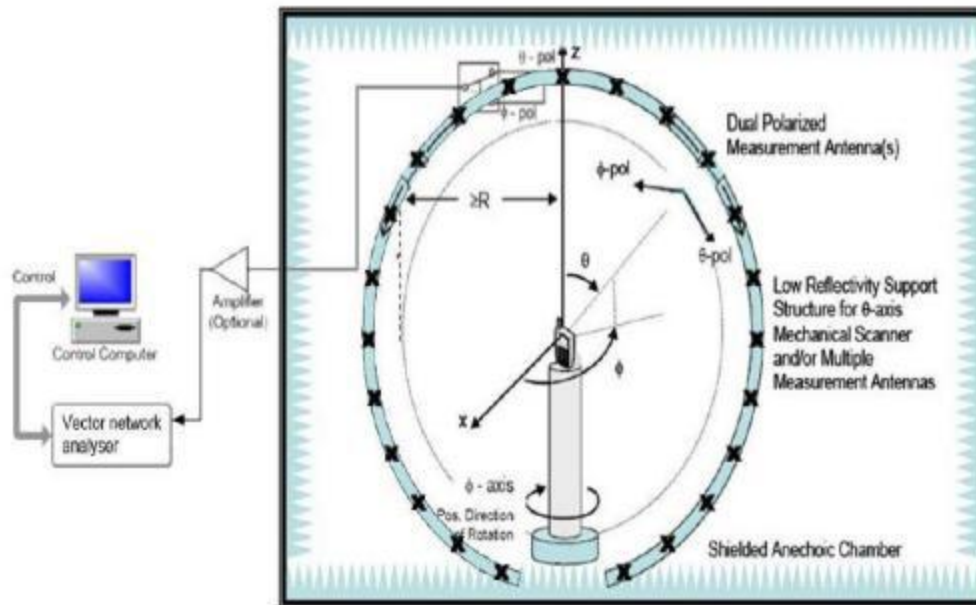


2.2.3. Impedance of Impedance



2.3. Efficiency and gain of Efficiency and Gain

. 1. 2. 3 Test system Test system



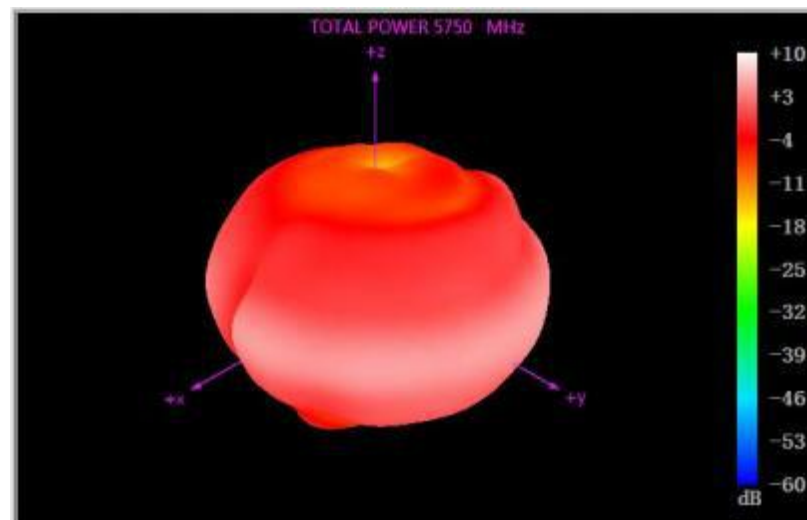
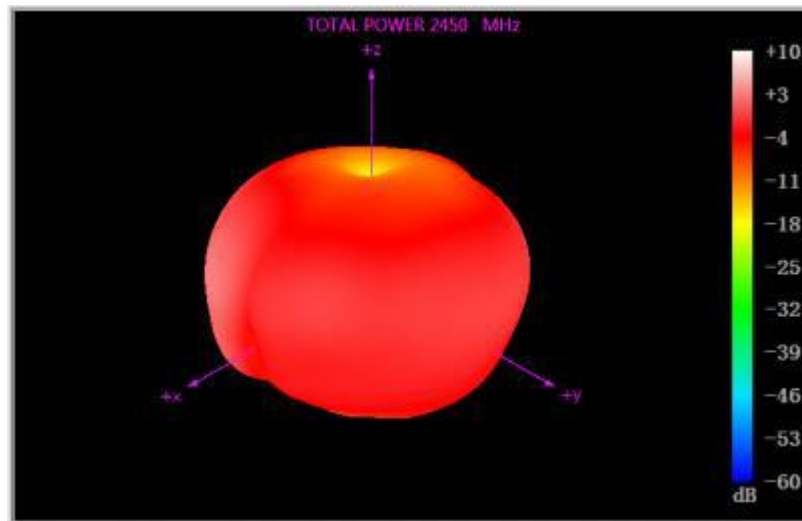
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2.3.2. Passive data No-source test data

Fr equency (MHz)	Effi ciency (%)	Gai n (dBi)
2400 MHz	55.97	2.78
2410 MHz	55.12	2.83
2420 MHz	54.98	2.89
2430 MHz	54.54	2.93
2440 MHz	53.31	2.94
2450 MHz	55.66	3.05
2460 MHz	57.98	3.1
2470 MHz	57.9	3.15
2480 MHz	57.66	3.06
2490 MHz	54.57	2.84
2500 MHz	51.21	3.43

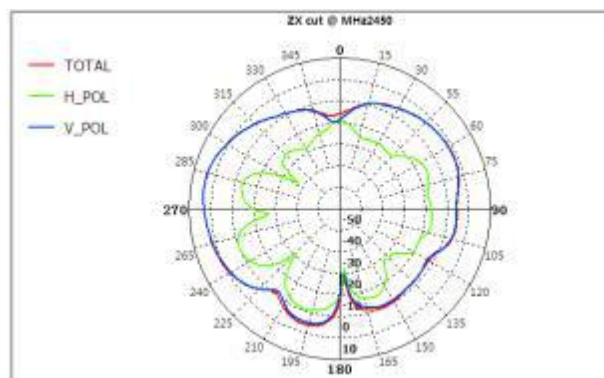
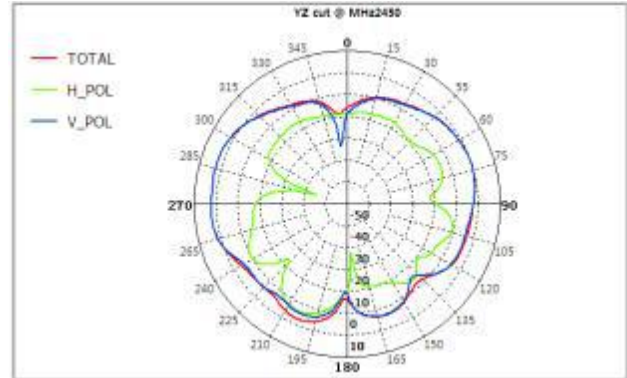
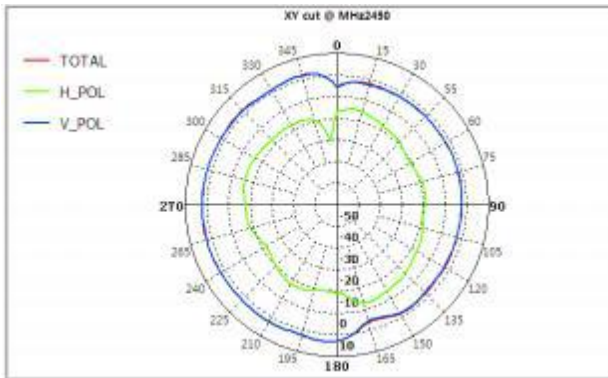
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2.3.3. 3D Radiation Drawing



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2.3.4. directional drawing of horizontal plane



3. Note to the Notes

1. Pay close to the metal to avoid affecting the antenna performance.
2. This antenna is only applicable to this model, and the position of the antenna can not be changed at will. If used on other machines, the effect becomes worse, unlike our company

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4. Reliability test Reliability test

project	Test methods and conditions	Specifications and requirements	experimental result
Storage environment	Test temperature, humidity, air pressure as follows: 1. The temperature is $-30^{\circ}\text{C} \sim +80^{\circ}\text{C}$ 2. Relative humidity is 45% – 85% 3. The air pressure is 86Kpa–106Kpa	No significant change in the appearance Each electrical parameters meet the specification error	OK
Salt Spray Test	Saline concentration: $50 \pm 10\text{g} / \text{l}$ (about 5%); PH6.5–7.2; test temperature: $35 \pm 1^{\circ}\text{C}$; Corrosion time: 16H.	Judgment method: 20 x magnification after test; no bad oxidation; qualified	OK
drop test	Drop from 1M	No significant change in the appearance Each electrical parameters meet the specification error	OK
Pull force test	Test the tolerance with a tension test instrument: 12N	No significant change in the appearance Each electrical parameters meet the specification error	OK

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Constant temperature and humidity test	Temperature and humidity: 40°C ± 2°C, 90-95%RH Duration: 4H Recovery time: 1 to 2H	No significant change in the appearance Each electrical parameters meet the specification error	OK
High and low temperature test	Five cycles were performed between 70°C and 40°C, followed by 1 - 2H under normal conditions	No significant change in the appearance Each electrical parameters meet the specification error	OK
grinding spark test	.50KV /0.15 sec .	No significant change in the appearance Each electrical parameters meet the specification error	OK