



Shenzhen Yingjichuang Electronic Technology Co., Ltd.

<http://www.szsyjc.com>

零件承认书

Approval Sheet

供方 (Supplier) : _____

产品名称(Part Name): _____ 2.4G/5.8GHz Metal Antenna

图号 (Pcode) : _____

版本 (version) : _____ V1.1

物料编码(material Code) : _____ YJC-6N000-B590

日期 (Date) : _____ 2024 年 12 月 10 日



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APPROVAL SHEET

承认书

CUSTOMER NAME 客户名称	
CUSTOMER P/N 客户料号	
PART NAME 品 名	2.4G/5.8GHz Metal Antenna
P/ N 料 号	YJC-6N000-B590
APPROVAL REV. 版 次	V1.0
DELIVERY DATE 送样日期	2024 年 12 月 10 日
PREPARED BY 承 办	 Huang Teng
CHECKED BY 审 核	Peng Huang
APPROVED BY 核 准	Xiao Han

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Antenna plan view:





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Antenna technical parameters and environmental testing:

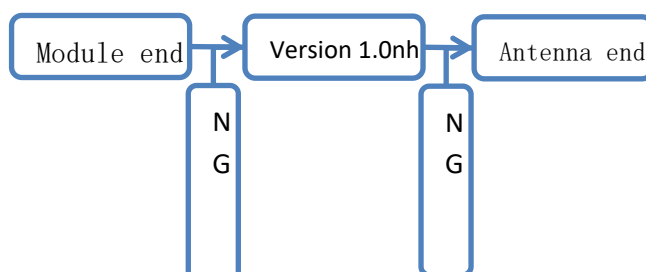
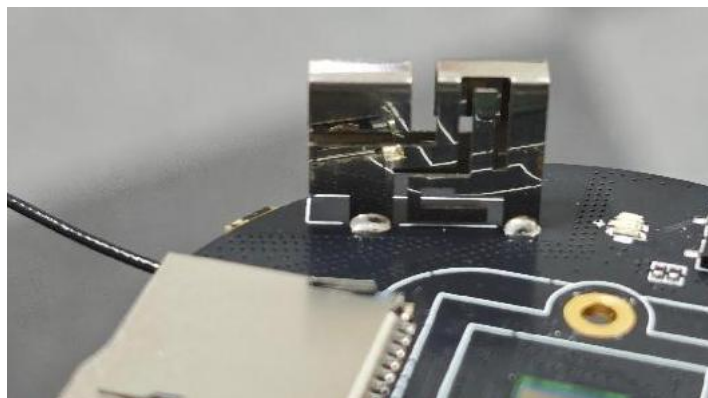
Electrical technical parameters			
电 性 能 指 标		Electrical Specifications	
频率范围	2400-2500MHz/5150-5850MHz	Frequency Range	2400-2500MHz/5150-5850MHz
电压驻波比	<2.0	VSWR	<2.0
输入阻抗	50 Ω	Input Impedance	50 Ω
方向	全向	Direction	All
增益	2.76dBi	Gain	2.76dBi
机 械 指 标		Mechanical Specifications	
天线材质	不锈钢	Antenna material	Stainless steel
接口形式	OPEN	Input connector	OPEN
工作温度	-20℃~+70℃	Working Temperature	-40℃~+85℃
工作湿度	20%~80%	Working Humidity	20~80%



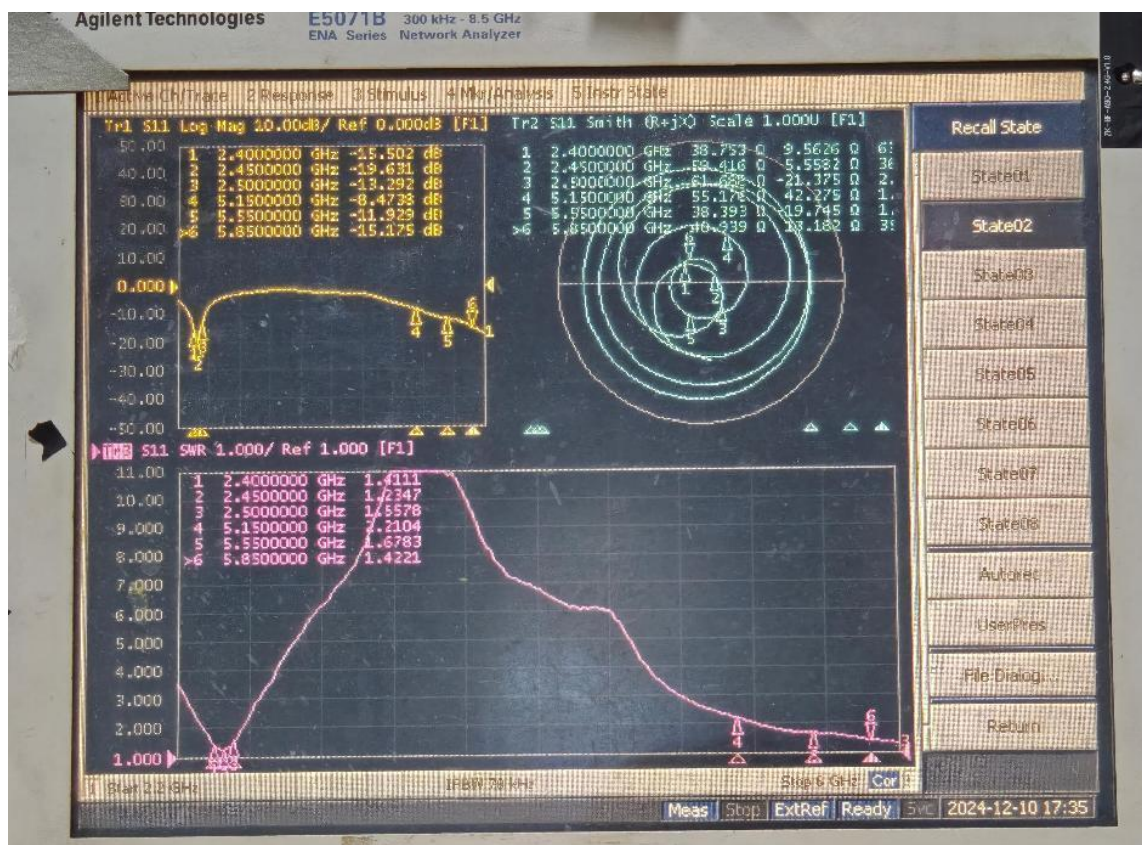
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Antenna physical diagram and attachment position diagram:



Antenna performance test chart:





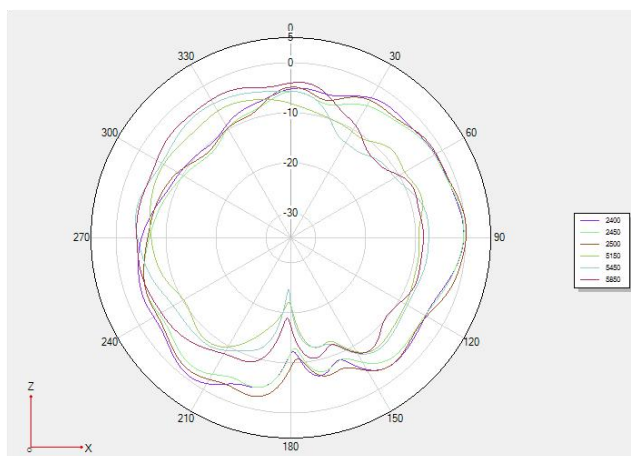
OTA Statistical analysis of active test data:

Item	Measurement	Band	Channel	Frequency	Total
1	TRP	WIFI_B (11M)	1	2412	22.49
2	TRP	WIFI_B (11M)	6	2437	22.47
3	TRP	WIFI_B (11M)	11	2462	21.28
4	TIS(EIRP)	WIFI_B (11M)	1	2412	-82.94
5	TIS(EIRP)	WIFI_B (11M)	6	2437	-86.15
6	TIS(EIRP)	WIFI_B (11M)	11	2462	-86.89
7	TRP	WIFI_A (6M)	36	5180	18.20
8	TRP	WIFI_A (6M)	100	5500	19.95
9	TRP	WIFI_A (6M)	165	5825	18.27
10	TIS(EIRP)	WIFI_A (54M)	36	5180	-70.3
11	TIS(EIRP)	WIFI_A (54M)	100	5500	-72.72
12	TIS(EIRP)	WIFI_A (54M)	165	5825	-70.20

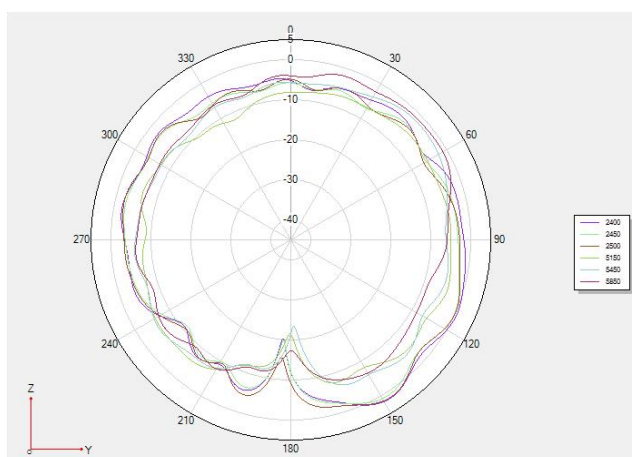
**2D、3D Test Data:**

Frequency	Efficiency (%)	Gain. (dBi)
2400MHz	50.58	2.16
2410MHz	53.95	1.82
2420MHz	54.70	2.31
2430MHz	53.33	2.33
2440MHz	51.88	2.71
2450MHz	49.77	1.85
2460MHz	49.89	2.39
2470MHz	48.53	2.58
2480MHz	50.35	2.76
2490MHz	46.56	1.99
2500MHz	46.56	2.46
5150MHz	36.26	-2.14
5250MHz	37.43	-2.10
5350MHz	36.55	-1.79
5450MHz	36.62	-1.51
5550MHz	34.31	-1.49
5650MHz	34.24	-1.31
5750MHz	34.31	-0.49
5850MHz	34.72	-0.61

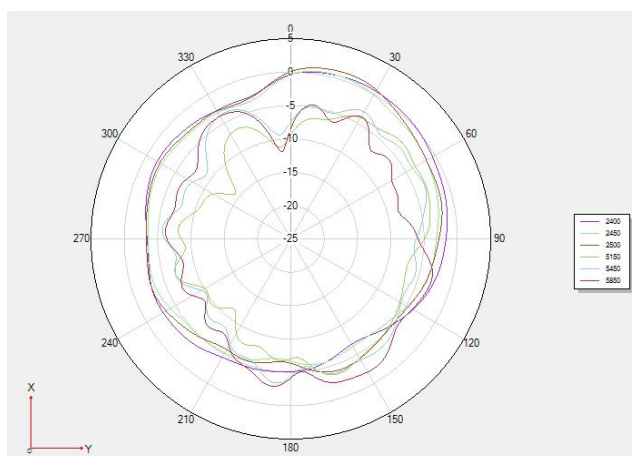
Phi 0 2D Picture:



Phi 90 2D Picture:

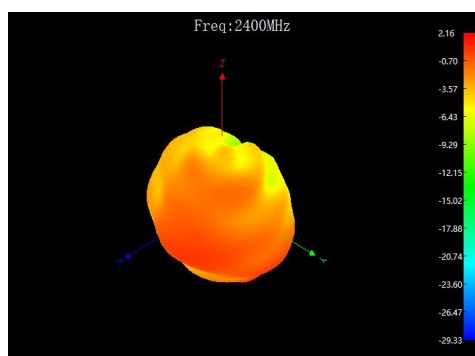


Theta 90 2D Picture:

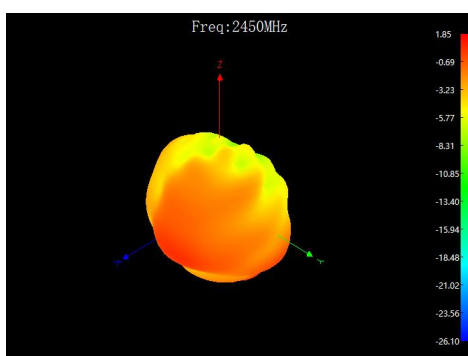


3D Test Image

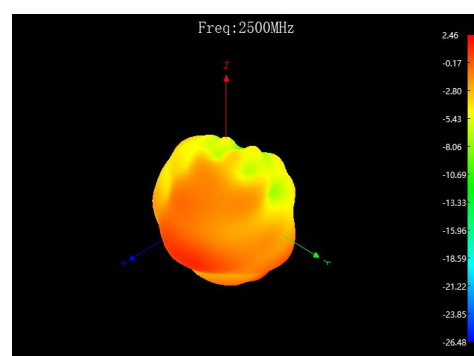
(3D 2400MHz):



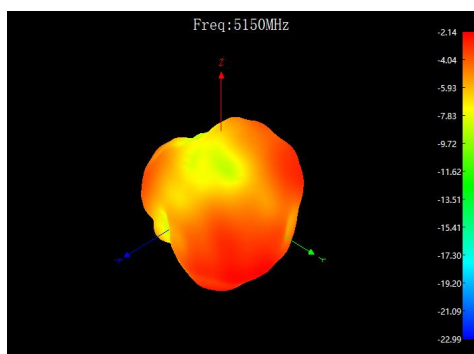
(3D 2450MHz):



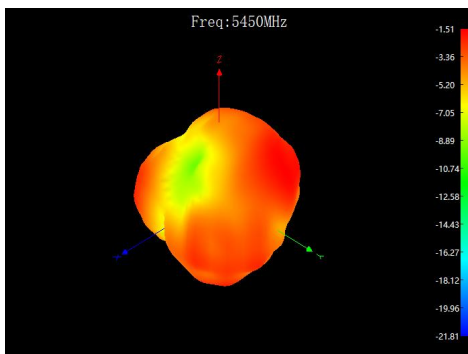
(3D 2500MHz):



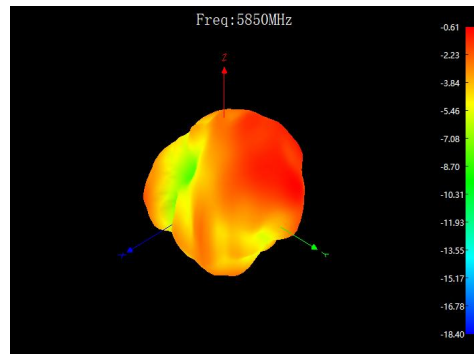
(3D 5150MHz):



(3D 5450MHz):



(3D 5850MHz):



Full-size inspection report

