



SHENZHEN YINGJIACHUANG TECHNOLOGY ELECTRONIC CO. LTD

<http://www.szsyjc.com>

APPROVAL SHEET

CUSTOMER NAME	823	
CUSTOMER P/N	112010211	
PART NAME	2.4G Built-in antenna	
P/ N	YJC-6N000-B315	
APPROVAL REV.	A0	
DELIVERY DATE	April 18, 2022	
PREPARED BY	Huang Teng	
CHECKED BY	Peng Huang	
APPROVED BY		
Customer Approved		
Approved By	Checked By	Prepared By

Contact Information (factory) :

Company address: building C, guangming valley, hongyu guangming valley, no. 11, jiangyou magang, shiwei community, matantian office, guangming district, shenzhen

Dongguan Branch: No.2 Xijia Industrial Park, No.3, Yinhe Road, Qiaotou Town, Dongguan City

Hangzhou Office: Room 509, Building 1, Binrun Science and Technology Innovation Park, No.5, Ren Street, Puyan Street, Binjiang District, Hangzhou

Mianyang Office: No.4F-34, Wanxiang High-tech International, No.35, Mianxing East Road, High-tech Zone, Mianyang City, Sichuan Province

Phone + 86-755-27810060/23192199; Fax: + 86-0755-27810057

Company website: <http://szsyjc.com> E-mail: yjc@szsyjc.com



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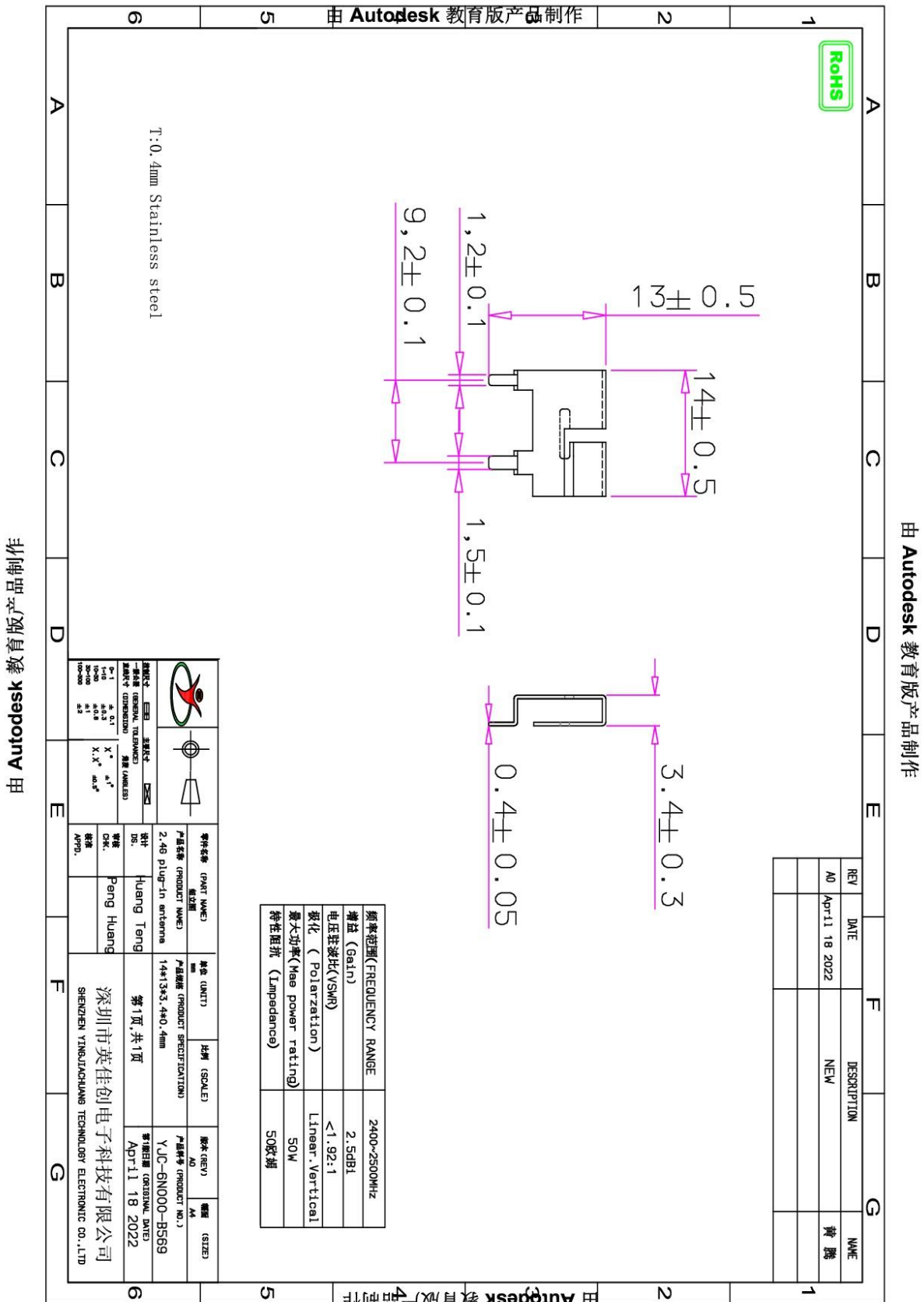


Revised resume:

Version	Change contents and reasons	Date	Issue
A0	NEW	April 18, 2022	



The antenna's floor plan:





Antenna technical parameters and environmental testing:

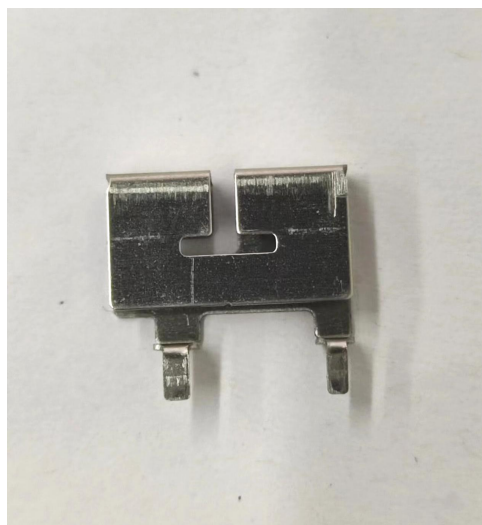
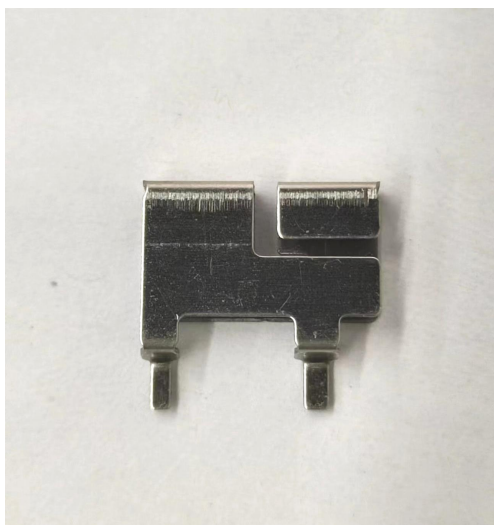
Electrical parameters of electrical apparatus			
Electrical Specifications		Mechanical Specifications	
Frequency Range	2400-2500MHz	Input connector	OPEN
VSWR	<1.92:1		
Input Impedance	50 Ω	Antenna material	Stainless steel
Direction	All	Working Temperature	-20°C~+70°C
Gain	2.5 dBi	Working Humidity	20%~80%

Environmental performance test:

project	test condition	standard
Storage Conditions	In the absence of specified test temperature, humidity, air pressure is as follows: 1. Temperature is - 20 °C ~ + 70 °C 2. Relative humidity of 45% to 45% 3. Air pressure is 86 kpa to 106 kpa	Electrical and mechanical properties is normal
high and low temperature test	Between 70 °C and -20 °C for 5 loops, then 1-2 h under normal conditions, check the appearance quality.	Size should meet the requirements and should satisfy the content with the electrical and mechanical properties
Constant damp and hot resistance test	95 + / - 3% relative humidity, temperature test: 40 °C. Lasts 2 h after, try to take out the determination of electrical properties, within 5 min after try 1-2 h under article normal thing, check the appearance quality	Size should meet the requirements and should satisfy the content with the electrical and mechanical properties
vibration test	10-55 hz, vibration frequency range of displacement amplitude: 0.35 MM, acceleration amplitude: 50.0 M/S, sweep cycles: 30 times	Electrical and mechanical properties is normal
fall down test	1 m high altitude in accordance with the perpendicular axis free drop 3 times	Electrical and mechanical properties is normal



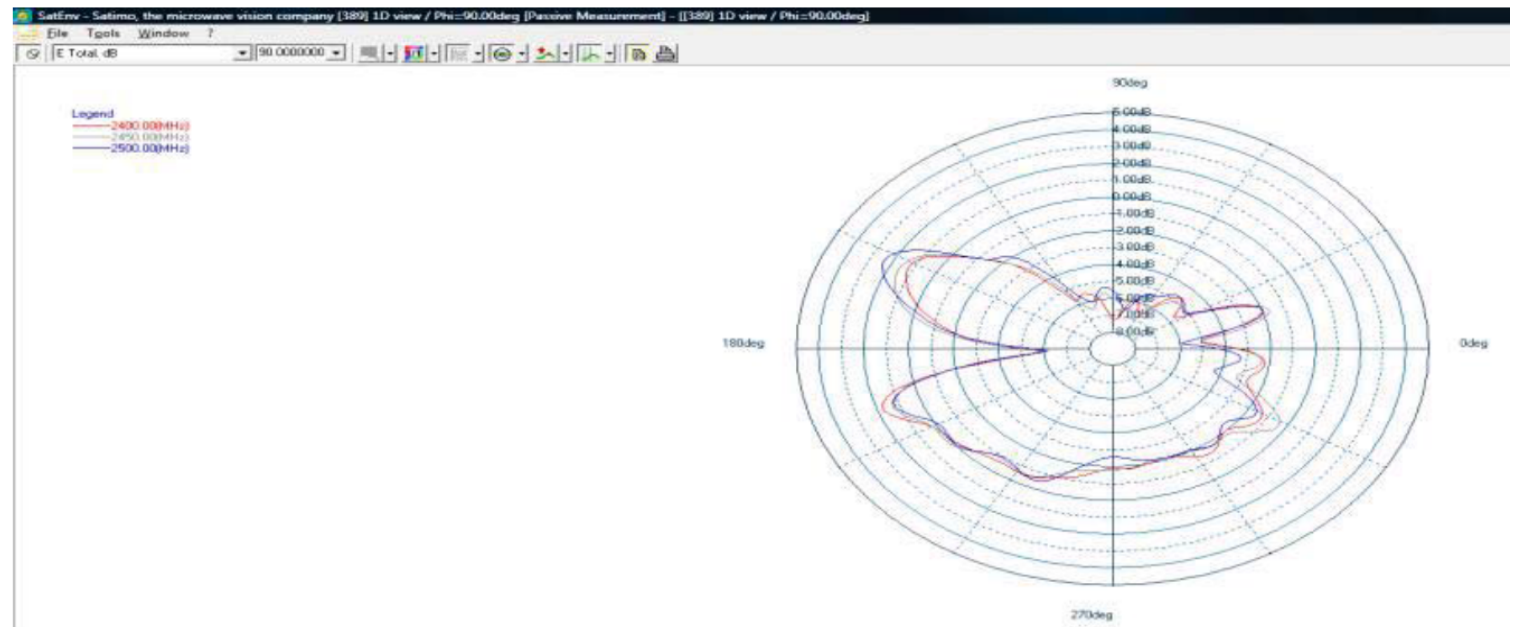
Antenna physical picture:



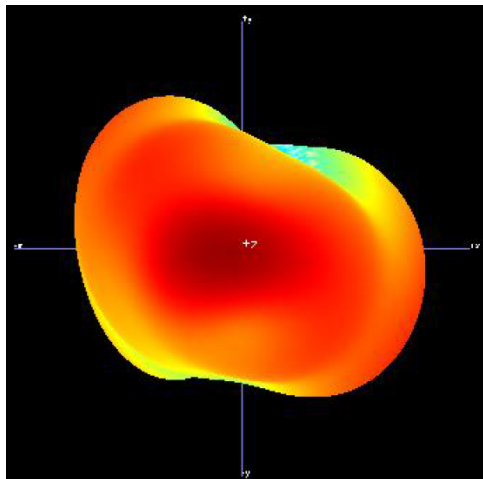
Antenna performance test chart:



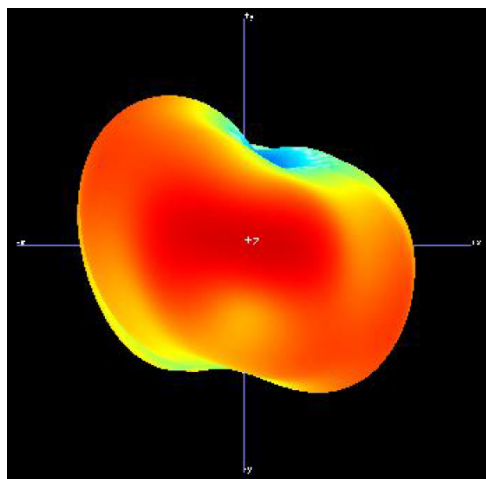
(Phi 0 2D graph)



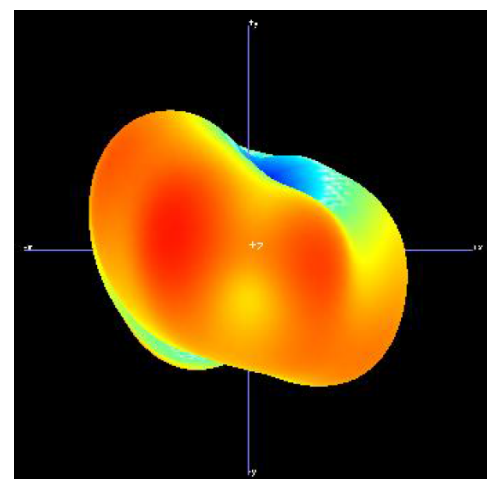
3D Test Fig



2402



2450



2500