

DONGGUAN YIJIA ELECTRONICS COMMUNICATION TECHNOLOGY CO., LTD

SPECIFICATION FOR APPROVAL

Date: 20251201
File No: 20251201
Revision: 1.0

CUSTOMER : FJ Dynamics Technology Co., Ltd.
CUSTOMER NO: F100C
PART NAME: Antenna L=73mm MHF
SUPPLIER NO: YJF01.085.009.306A

CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR

SUPPLIER SIGNATURE		
APPROVAL	CHECK	DESIGN
ChenGuoqiang	XieLi	ChenXingyi

YJ-RD-F04-A



Yuanfu Industrial Park, No.59, Muyu Road, Shatou Community, Chang'an Town, Dongguan, Guangdong

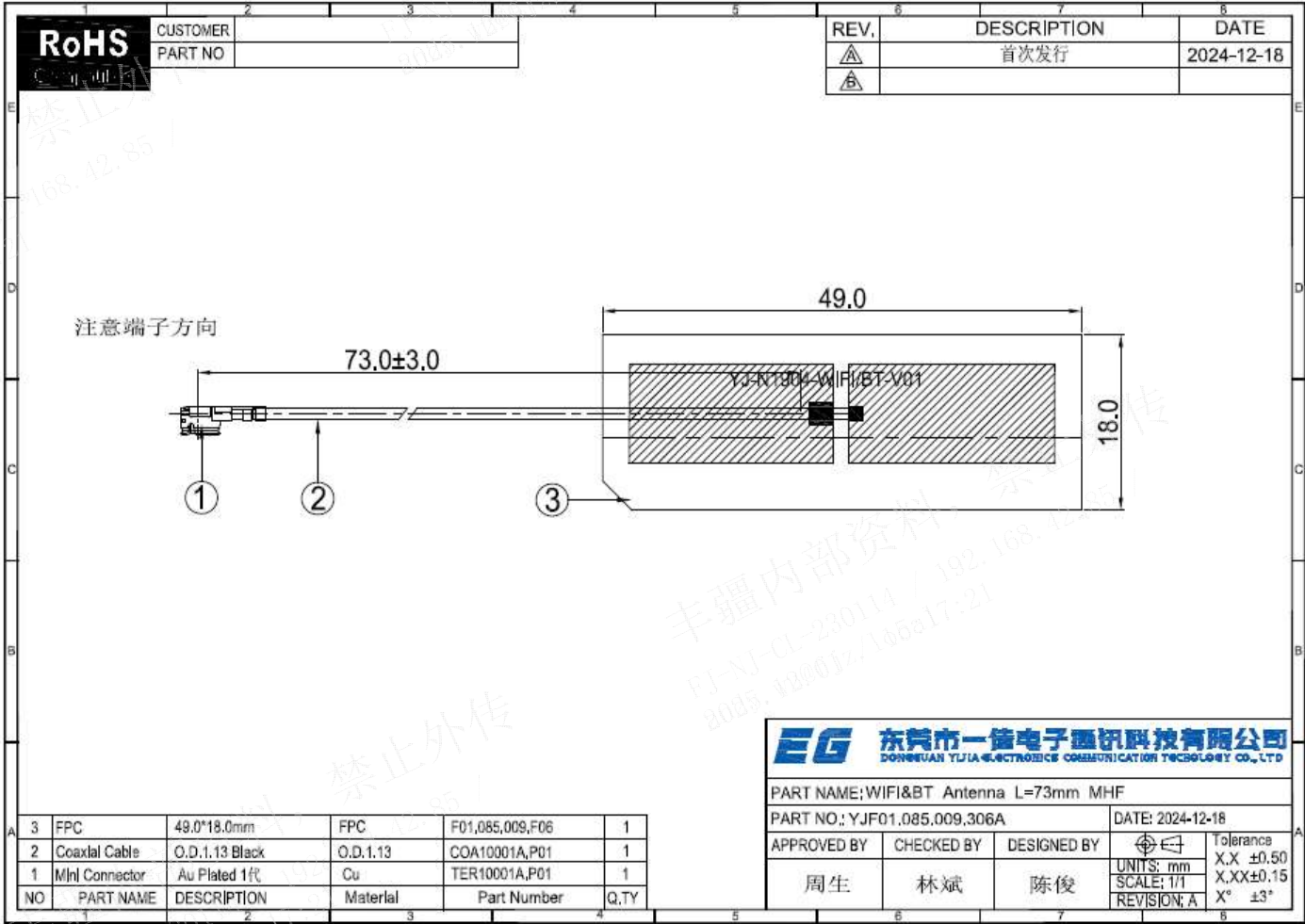
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Spec Item

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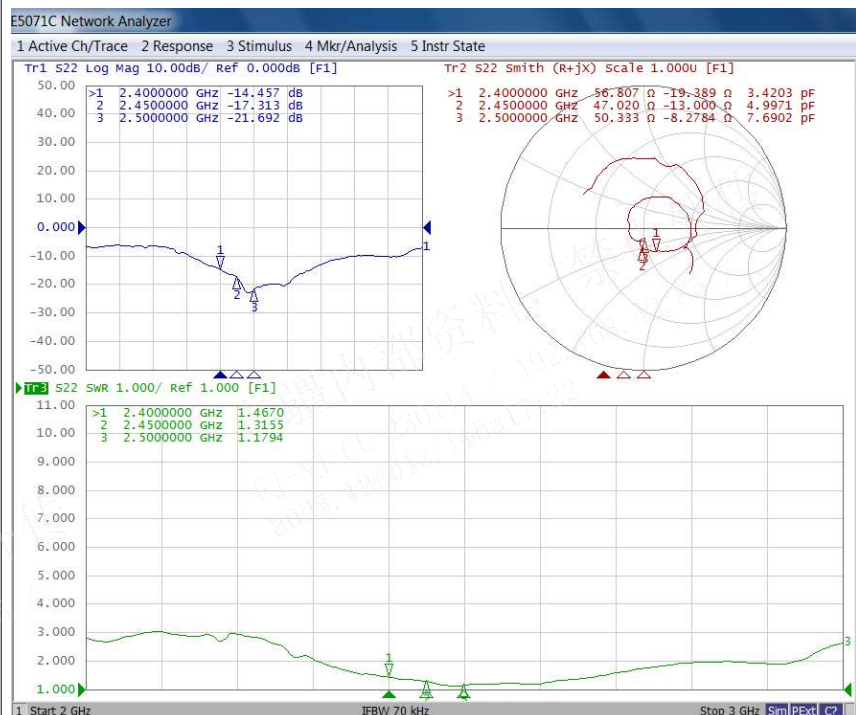
Antenna Specification

Electrical Properties	
Frequency	2.4-2.5GHz
Antenna Type	FPC
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max
Gain	6.1 dBi
Radiation	Omni-directional
Polarization	Linear
Physical Properties	
Connector	IPEX
Cable Type	O.D.1.13mm
Cable Length	73mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%

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Antenna Performance Test

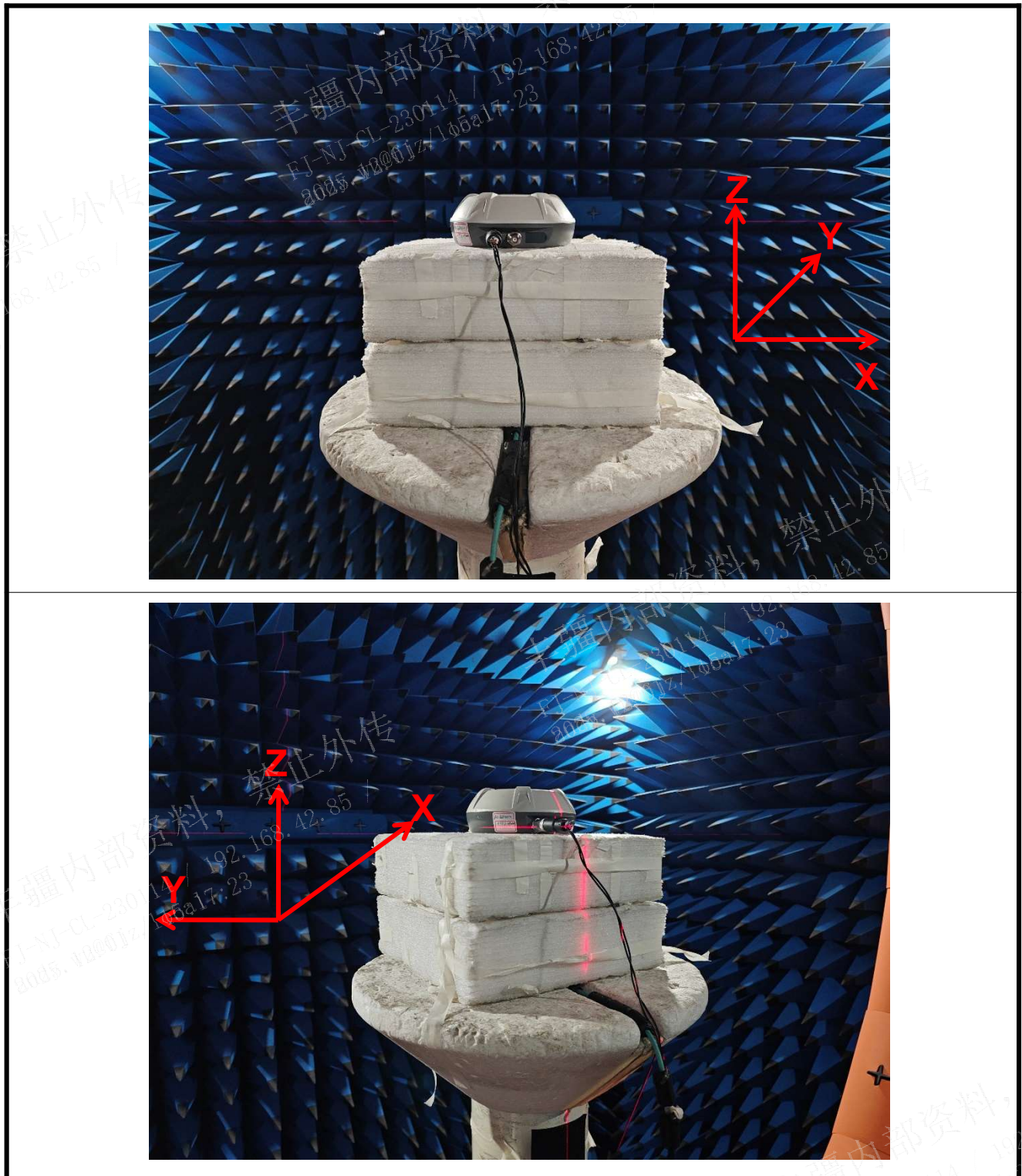
**Agilent
E5071C
S22
Parameter
Test //
WiFi
Antenna**



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Antenna Passive Test

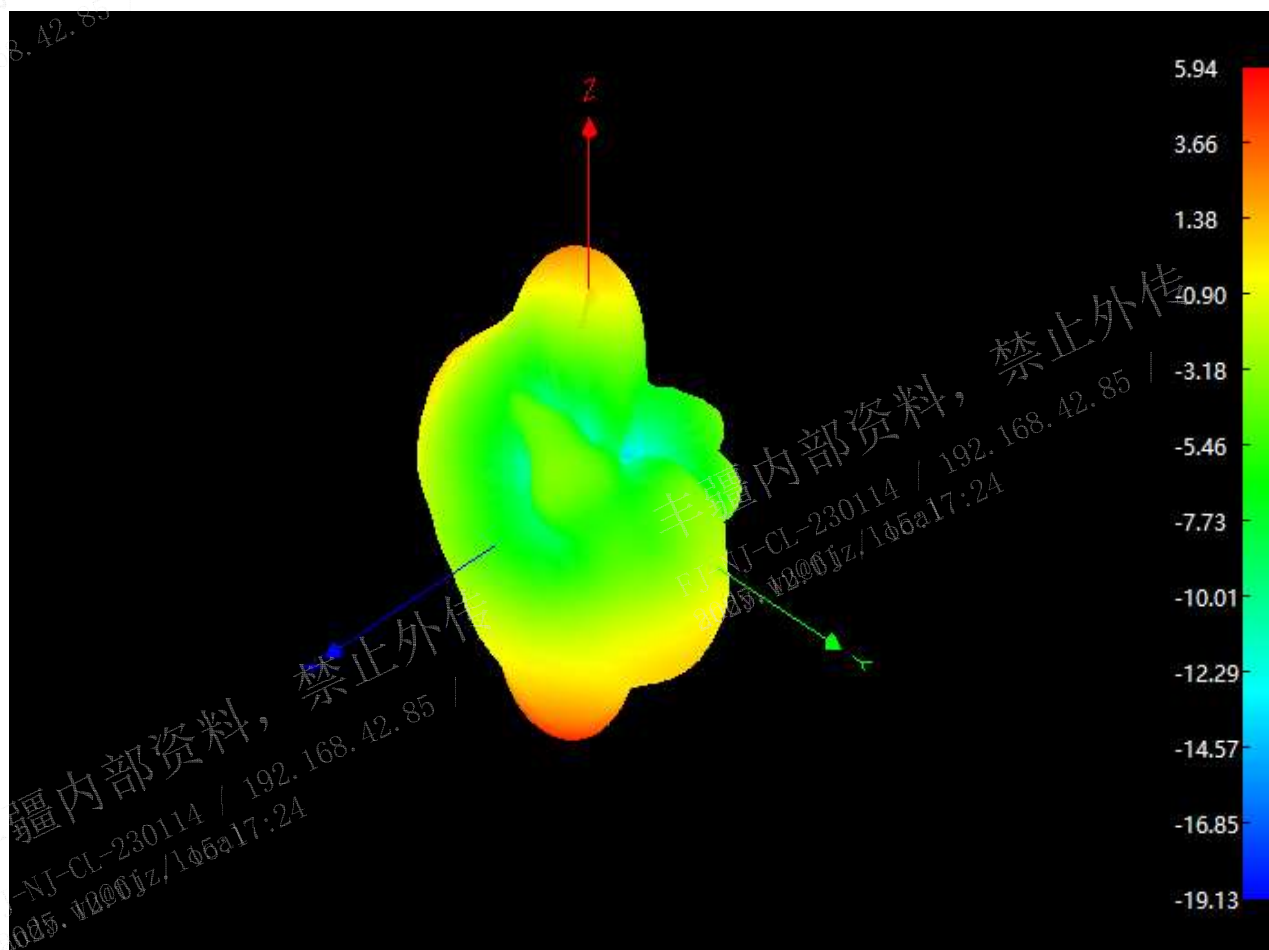


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Passive Test For WiFi Antenna			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	54.3	-2.7	6.0
2410	53.7	-2.7	5.9
2420	52.0	-2.8	5.6
2430	52.7	-2.8	5.7
2440	53.8	-2.7	5.6
2450	57.4	-2.4	5.9
2460	56.0	-2.5	5.6
2470	59.2	-2.3	6.1
2480	57.5	-2.4	5.7
2490	59.4	-2.3	6.0
2500	55.9	-2.5	5.4

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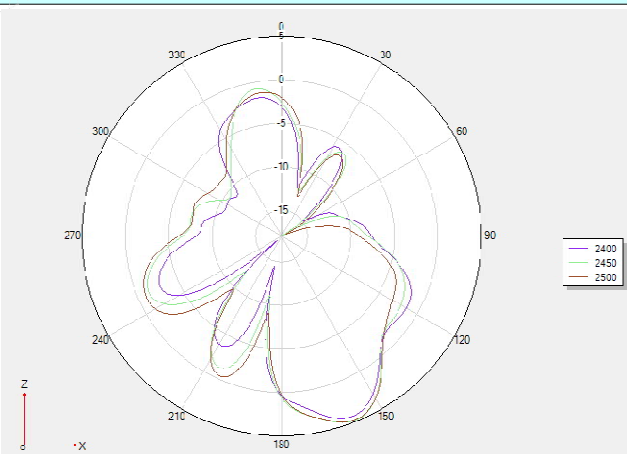
Radiation Pattern For WiFi Antenna(1900MHz)



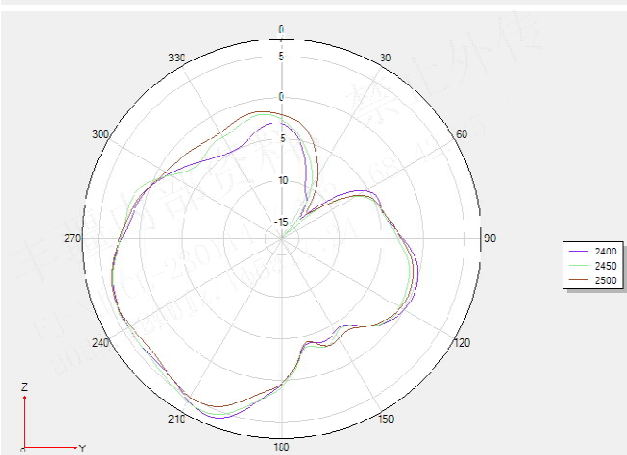
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Radiation Pattern For WiFi Antenna

Phi 0°



Phi 90°



Theta 90°

