



规格承认书

SPECIFICATION FOR APPROVAL

日期 Date	2025/02/12
编号 File No	25021201
版本 Revision	1.0

客户
CUSTOMER: Ruiling Intelligence

客户料号
CUSTOMER NO:

品名
PART NAME: 2.4G Antenna

供方料号
SUPPLIER NO: YJL01.220.001.101A

送样日期Date:

送样数量Q'TY:

客户确认CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR

供方确认 SUPPLIER SIGNATURE		
APPROVAL	CHECK	DESIGN
 ChenGuoqiang	XieLi	ChenXingyi

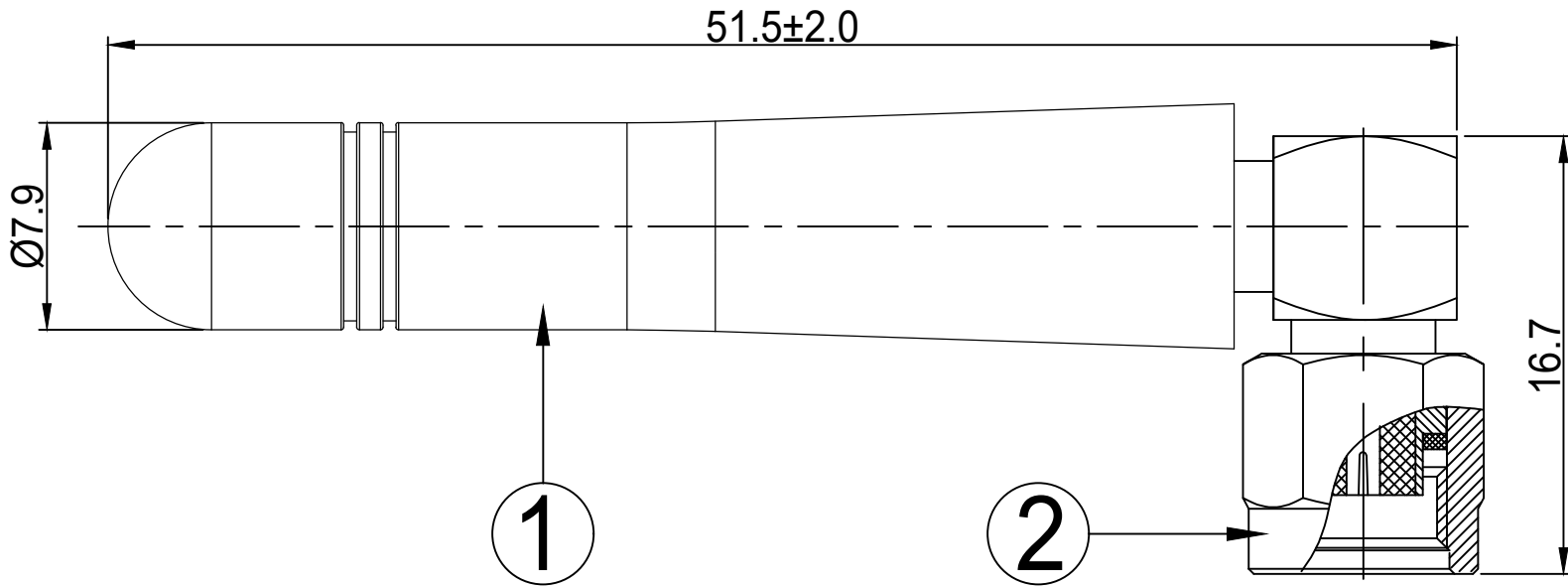
YJ-RD-F04-A



RoHS
Compatible

CUSTOMER	
PART NO	

REV.	DESCRIPTION	DATE
△	首次发行	2025-02-11





东莞市一佳电子通讯科技有限公司
DONGGUAN YIJIA ELECTRONICS COMMUNICATION TECHNOLOGY CO.,LTD

PART NAME: 2.4G Antenna

PART NO.: YJL01.220.001.101A

DATE: 2025-02-11

APPROVED BY

CHECKED BY

DESIGNED BY

何清军

林斌

廖光喜



UNITS: mm

SCALE: 1/1

REVISION: A

Tolerance

X.X ±0.50

X.XX±0.15

X° ±3°

2	SMA 90° Male Reverse	Cu Au Plated	1
1	Antenna Cap	TPE, Color:Black	1
NO	PART NAME	DESCRIPTION	Q.TY



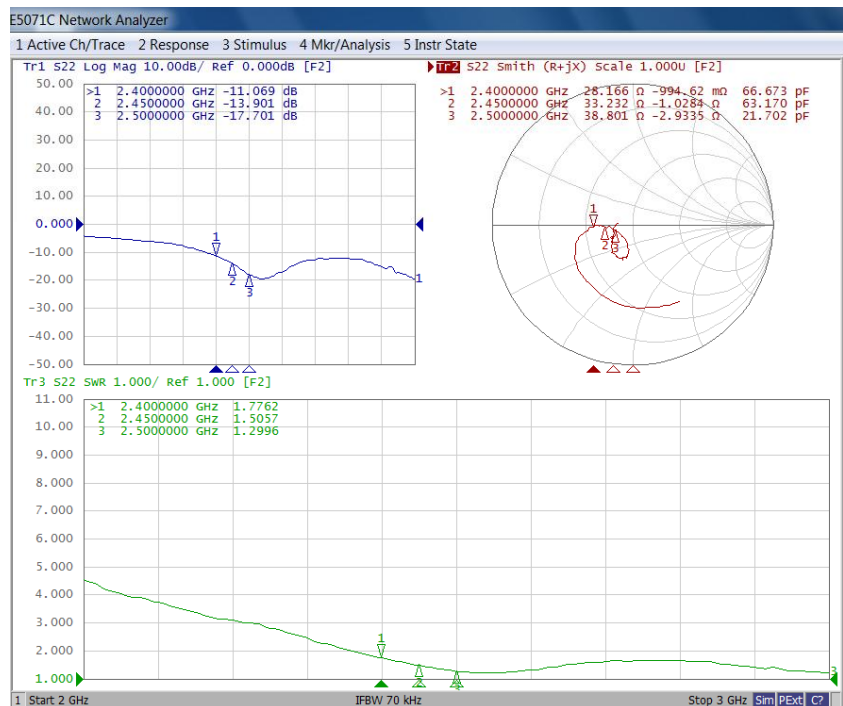
天线规格
Antenna Specification

Electrical Properties	
Frequency	2.4-2.5GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max
Gain	1.9 dBi
Radiation	Omni-directional
Polarization	Linear
Physical Properties	
Connector	SMA 90° Male Reverse
Cable Type	None
Cable Length	None
Cable Color	None
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%



Antenna Performance Test

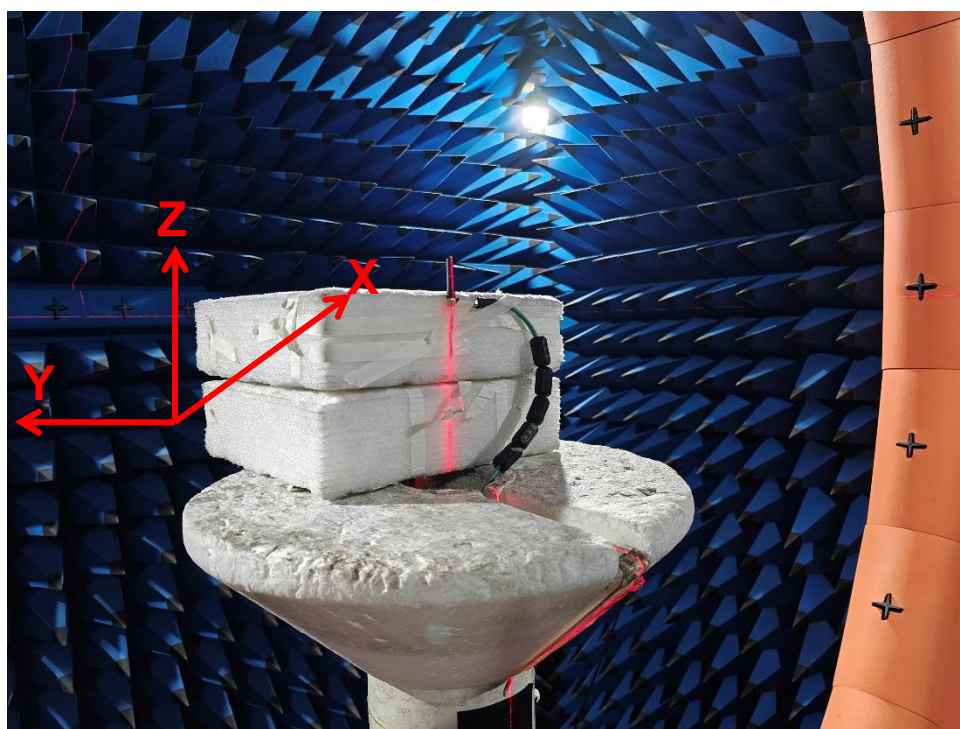
*Agilent
E5071C
S22
Parameter
Test //
2.4G
Antenna*





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Antenna Passive Test

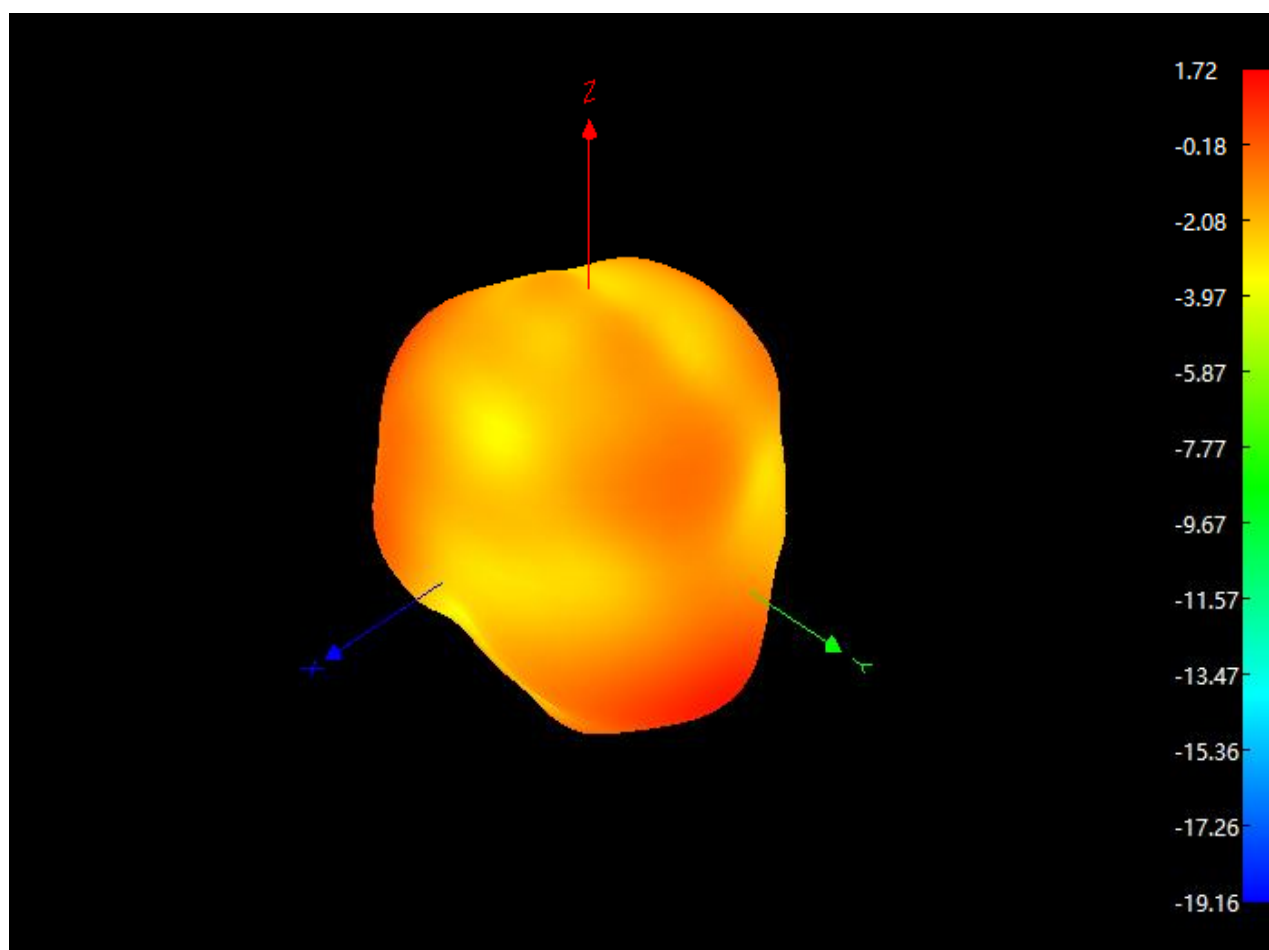




Passive Test For 2.4G Antenna			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	48.3	-3.2	1.8
2410	48.8	-3.1	1.8
2420	49.6	-3.1	1.6
2430	52.6	-2.8	1.8
2440	53.3	-2.7	1.6
2450	54.1	-2.7	1.7
2460	52.0	-2.8	1.4
2470	55.2	-2.6	1.8
2480	54.1	-2.7	1.6
2490	55.0	-2.6	1.9
2500	51.9	-2.9	1.5



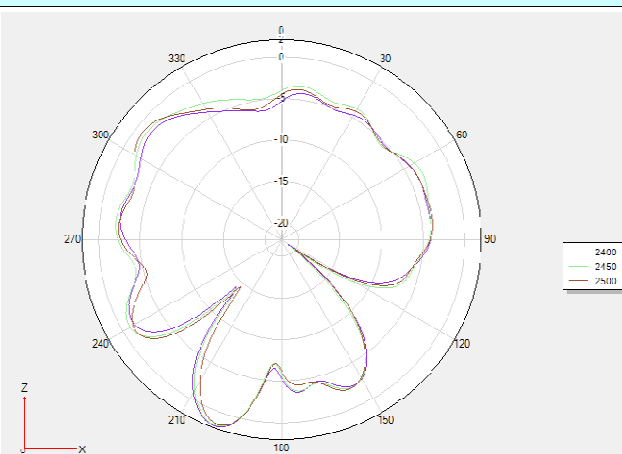
Radiation Pattern For 2.4G Antenna(2450MHz)



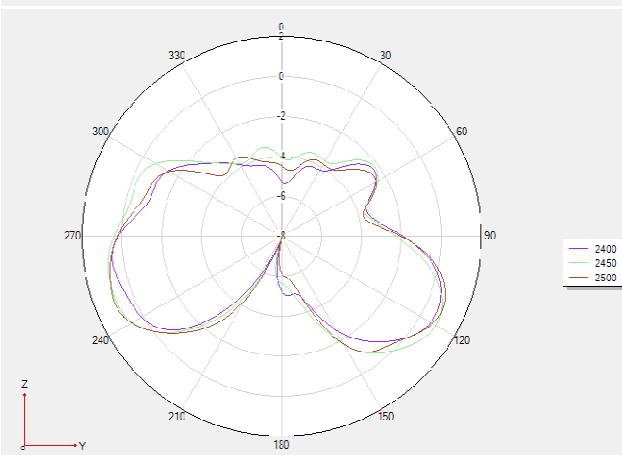


Radiation Pattern For 2.4G Antenna

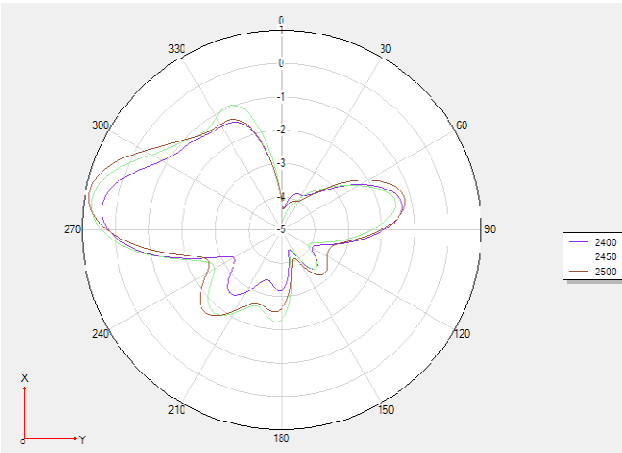
Phi 0°



Phi 90°



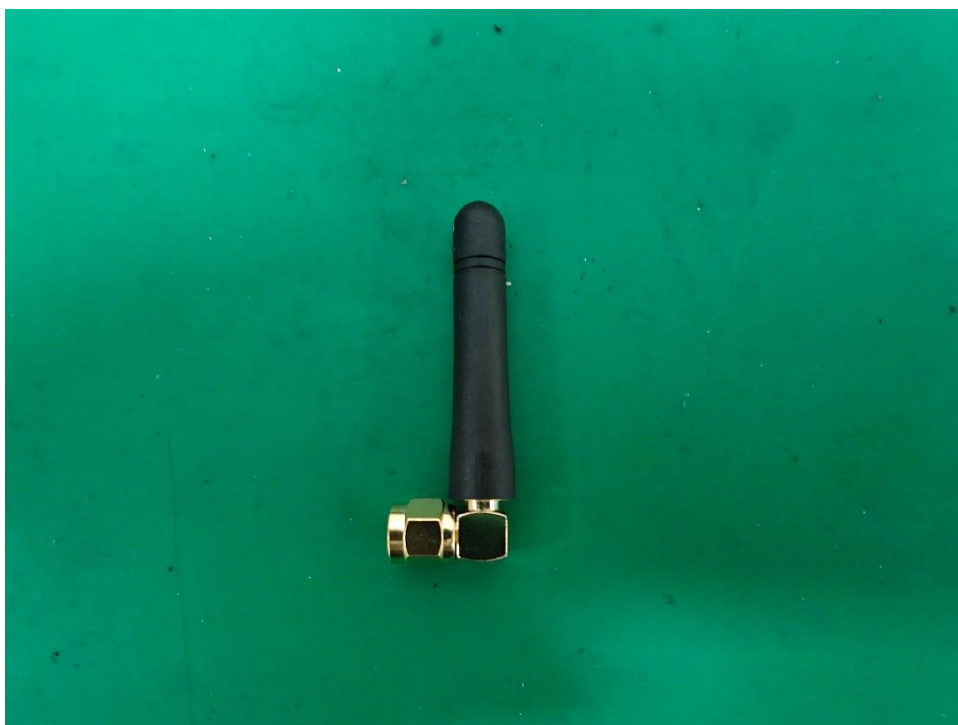
Theta 90°





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***2.4G
Antenna***





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2.4G Antenna

