

RoHS

Compatible

CUSTOMER

PART NO

REV.

DESCRIPTION

DATE

A

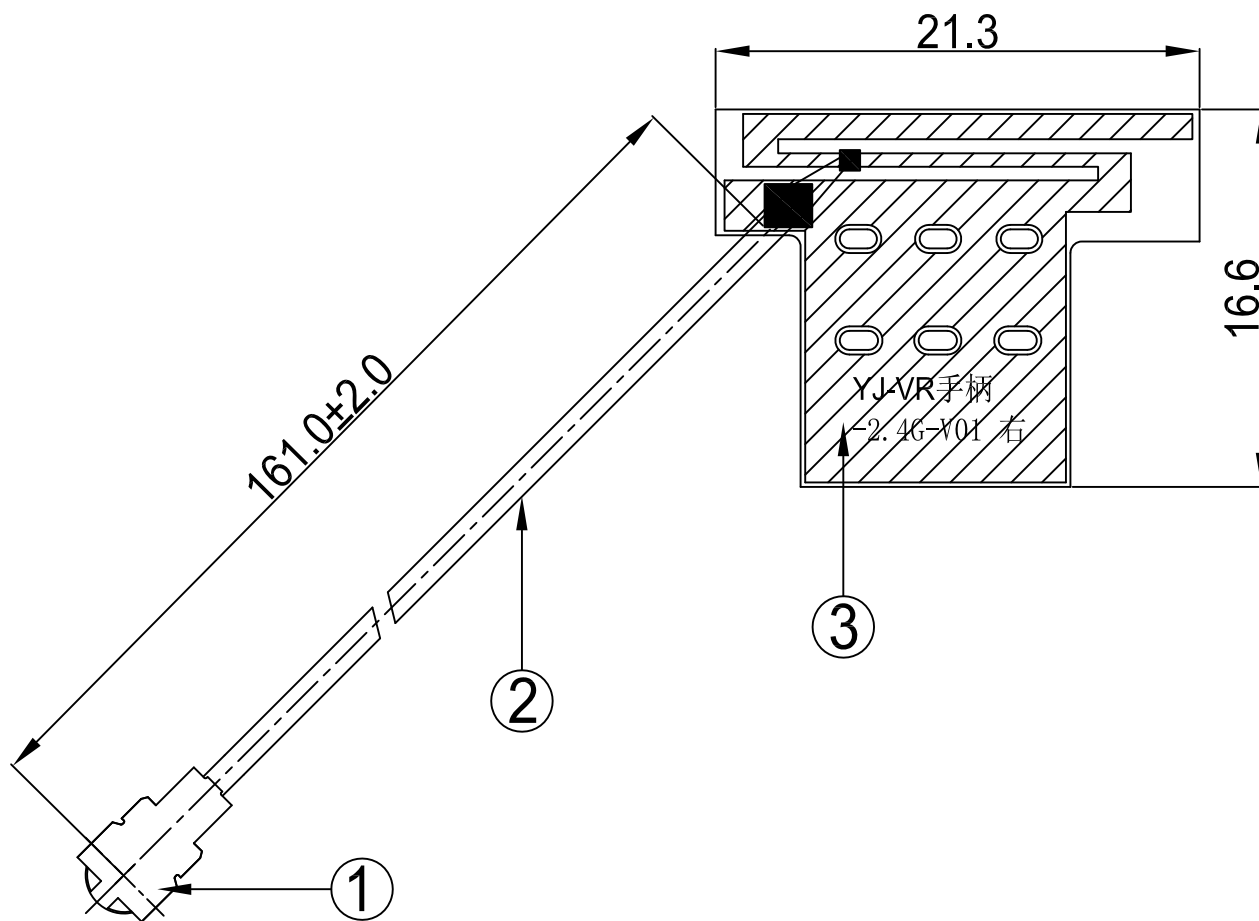
首次发行

2022-09-22

B

修改线长公差

2022-09-17



东莞市一佳电子通讯科技有限公司

Tel.: 0769-82586086

Dongguan Yijia Electronics Communication Technology Co., Ltd. Fax: 0769-82586086

PART NAME: 2.4G Antenna

PART NO.: YJI01.048.001.302A

DATE: 2022-09-17

APPROVED BY

CHECKED BY

DESIGNED BY



Tolerance

殷涛

廖明宇

吕森桦

UNITS: mm

SCALE: 1/1

REVISION: A

X.X ±0.50

X.XX±0.15

X° ±3°

3	FPCB	21.3*16.6MM	FPCB	FPC1000XA.P01	1
2	Coaxial Cable	O.D.1.13 White	O.D.1.13	COA1000XA.P01	1
1	Mini Connector	Au Plated 1代	Cu	TER1000XA.P01	1
NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY



天线规格

Antenna Specification

Model: E4

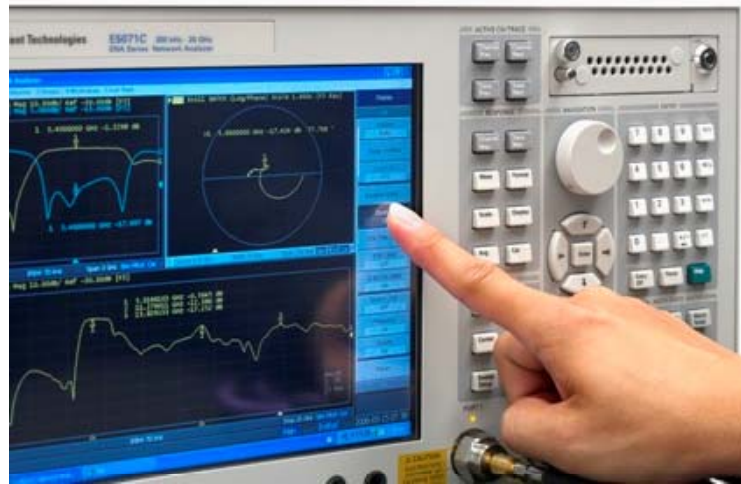
Electrical Properties	
Frequency	2.4-2.5GHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max
Gain	2.8 dBi
Radiation	Omni-directional
Polarization	Linear
Physical Properties	
Connector	1代IPEX
Cable Type	O.D.1.13mm
Cable Length	161mm
Cable Color	White
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%

add: 东莞市长安镇沙头社区木鱼路59号元富工业区 Tel:0769-82586086 Fax:0769-82586086

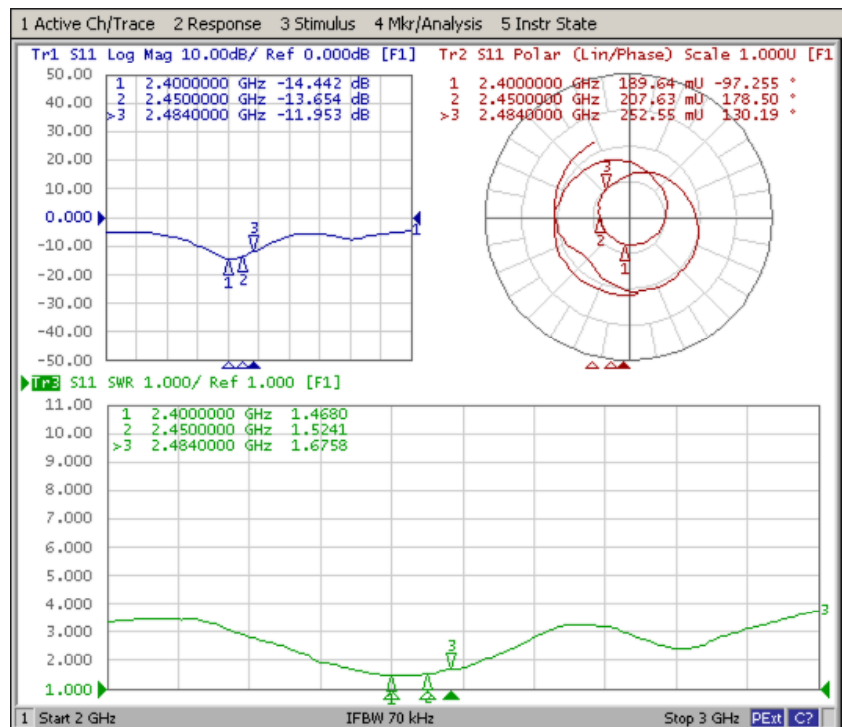


Antenna Performance Test

**Agilent
E5071B**

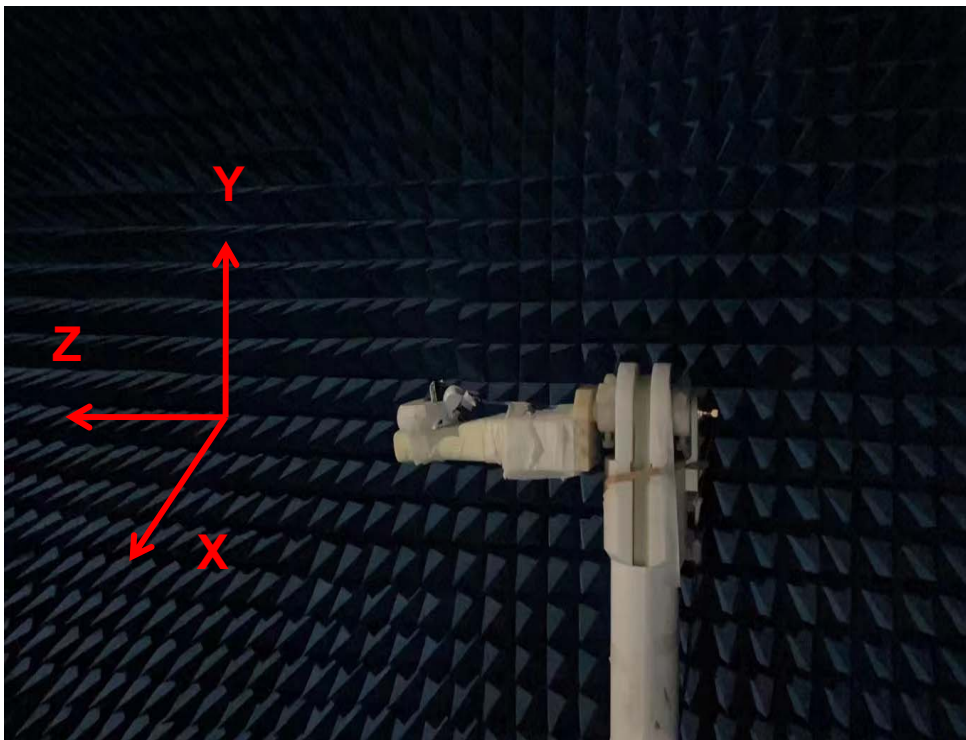
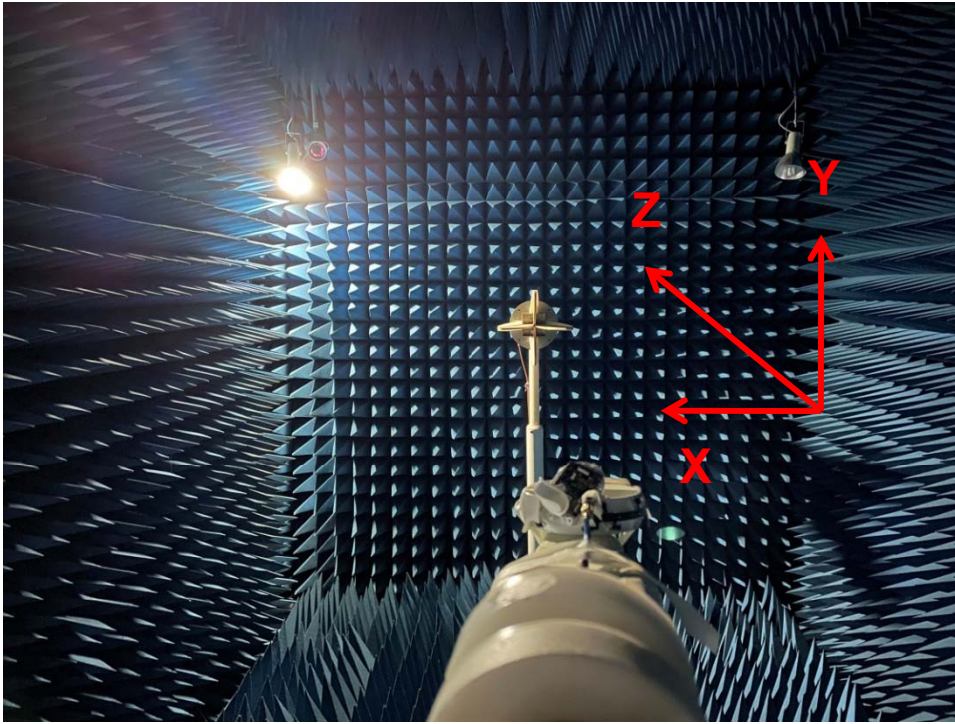


**S
Parameter
Test //
BT.R
Antenna**





Antenna Passive Test





Passive Test For BT.R 2.4G			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	42.6	-3.7	2.4
2410	42.9	-3.7	2.4
2420	44.4	-3.5	2.6
2430	44.6	-3.5	2.6
2440	47.2	-3.3	2.8
2450	47.7	-3.2	2.8
2460	44.8	-3.5	2.7
2470	44.7	-3.5	2.7
2480	44.1	-3.6	2.5
2490	43.5	-3.6	2.5
2500	42.5	-3.7	2.3

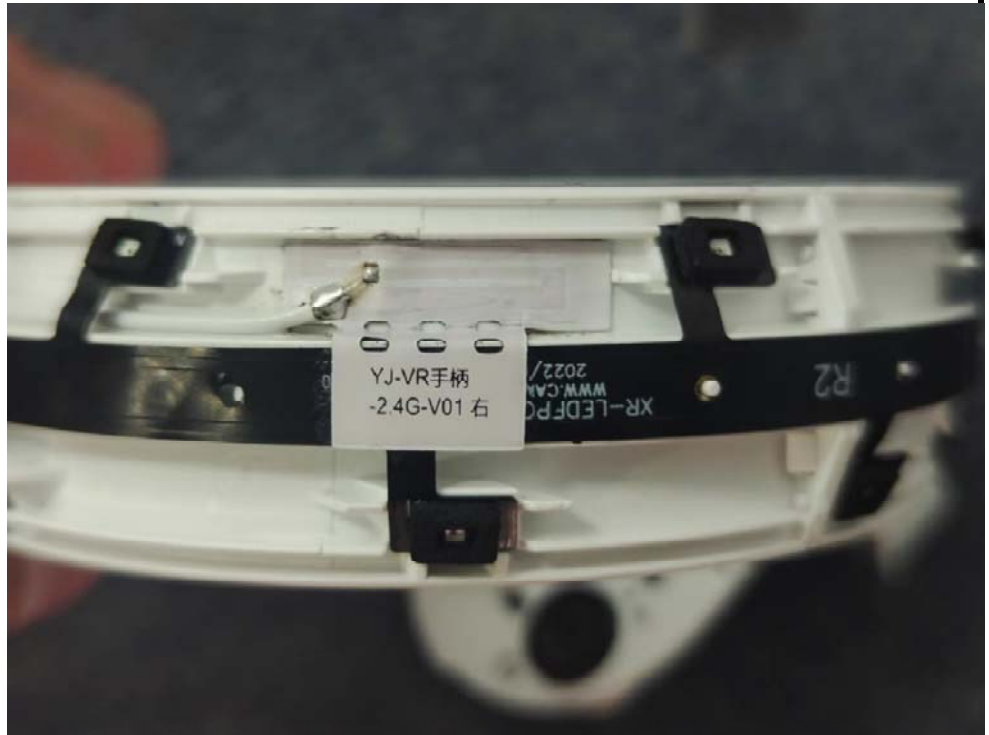


Device





BT.R Antenna





BT.R

