



# 东莞市一佳电子通讯科技有限公司

Dongguan YiJia Electronics Communication Technology Co.,Ltd.

## 规格承认书

### SPECIFICATION FOR APPROVAL

日期  
Date 2023/09/22

编号  
File No 23092201

版本  
Revision 1.0

客户  
CUSTOMER:

客户料号

CUSTOMER NO:

501013894

品名

PART NAME:

sug-G-2 Antenna

供方料号

SUPPLIER NO:

YJI01.005.093.301A

送样日期Date:

#### 客户确认CUSTOMER APPROVED BY

APPROVAL	CHIEF	SUPERVISOR

#### 供方确认 SUPPLIER SIGNATURE

APPROVAL	CHECK	DESIGN
 ChenGuoqiang	XieLi	ChenXingyi

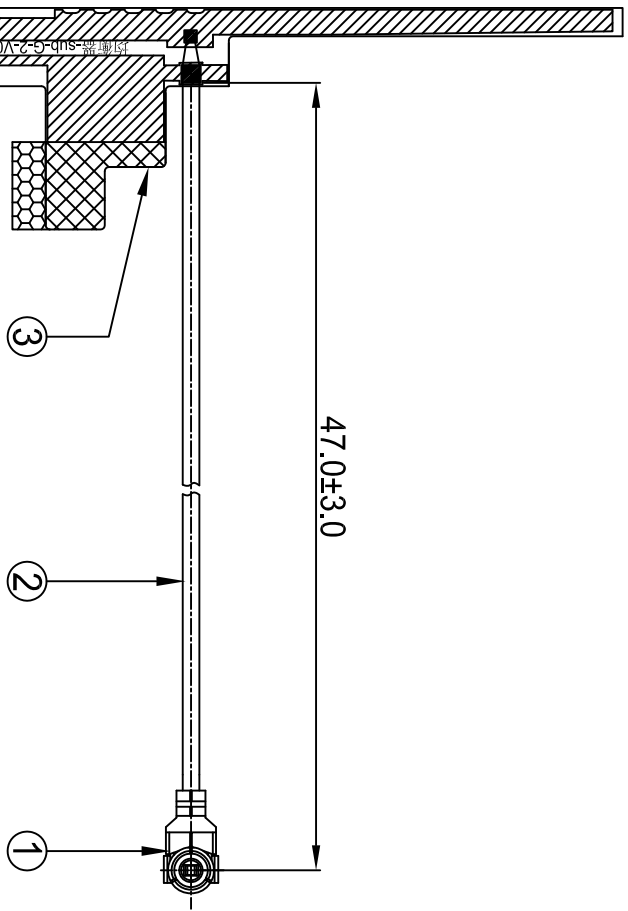
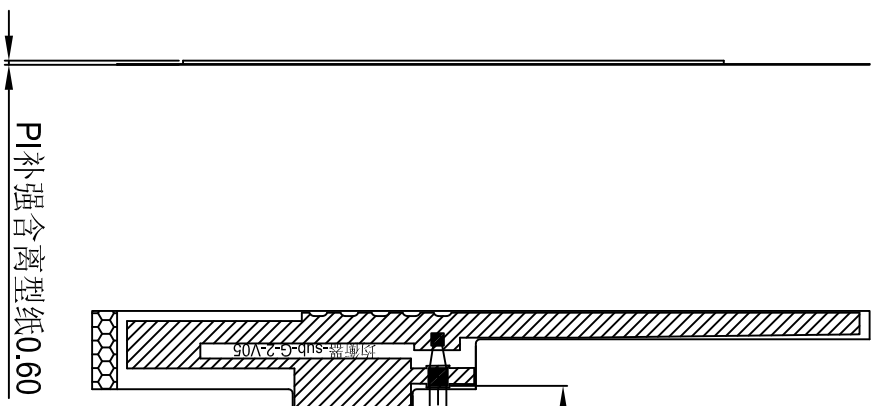
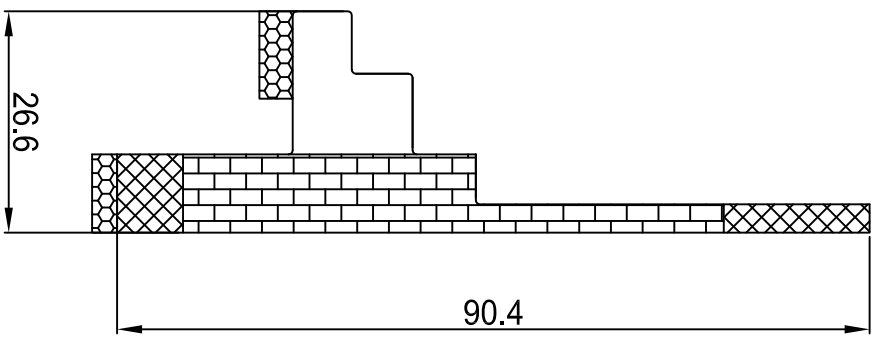
YJ-RD-F04-A

add: Yuanfu Industrial Zone, 59 Muyu Road, Shatou Community, Changan Town, Dongguan City

**RoHS**  
Compatible

CUSTOMER	
PART NO	

REV.	DESCRIPTION	DATE
首次发行		2023-09-22



3	FP	90.4*26.6MM	FP	FP	1
2	Coaxial Cable	O.D.1.13 Black	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

**东莞市一佳电子通讯科技有限公司**  
Dongguan Yijia Electronics Communication Technology Co., Ltd. Tel: 0769-85535057  
Fax: 0769-81664308

PART NAME: sug-G-2 Antenna		DATE: 2023-09-22	
PART NO.: YJ101.005.093.301A			
APPROVED BY	CHECKED BY	DESIGNED BY	
殷涛	喻亚峰	陈兴易	
UNITS: mm		Tolerance	
SCALE: 1/1		X.X ±0.50	
REVISION: A		X.XX ±0.15	
		X° ±3°	



# 天线规格

## Antenna Specification

### Electrical Properties

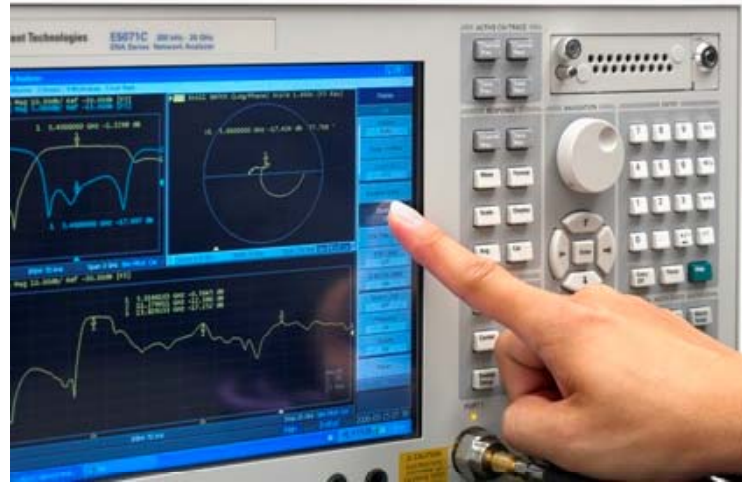
Frequency	866-928MHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max
Gain	1.0 dBi
Radiation	Omni-directional
Polarization	Linear

### Physical Properties

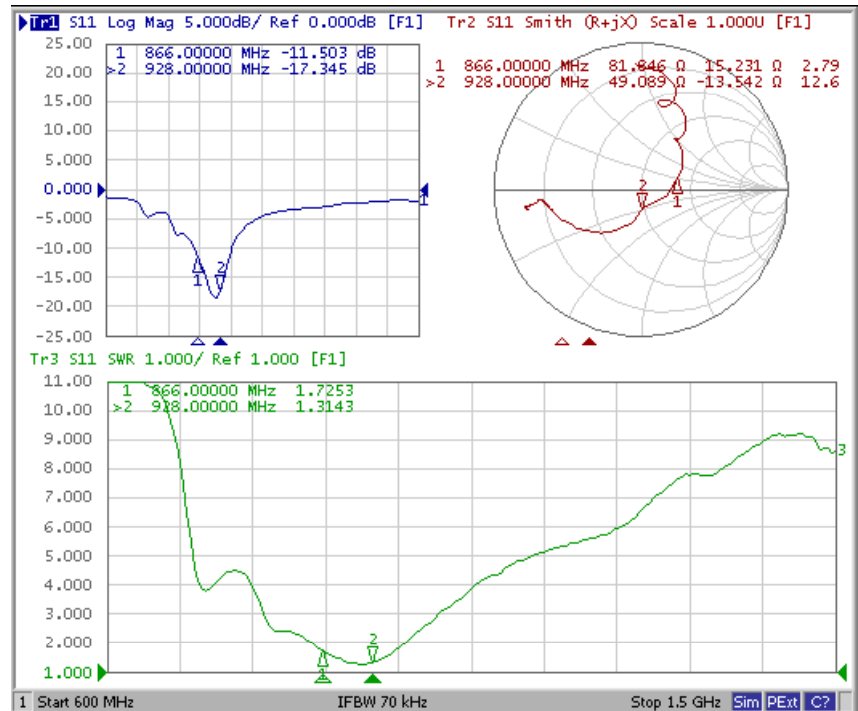
Connector	IPEX
Cable Type	O.D.1.13mm
Cable Length	47mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%



# Agilent E5071B



# S Parameter Test // sub-G-2 Antenna





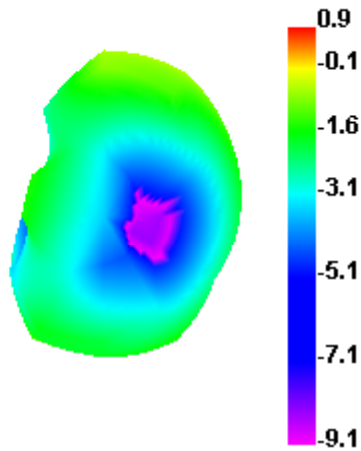
### Passive Test For sub-G-2 Antenna

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
860	51.7	-2.9	1.0
870	53.2	-2.7	0.7
880	51.5	-2.9	0.1
890	47.6	-3.2	-0.1
900	45.5	-3.4	0.0
910	32.5	-4.9	-1.4
920	31.3	-5.1	-2.2
930	32.7	-4.7	-2.0

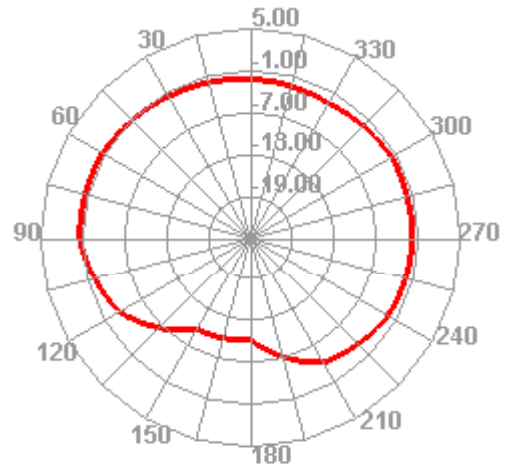


## Radiation Pattern For sub-G-2 Antenna

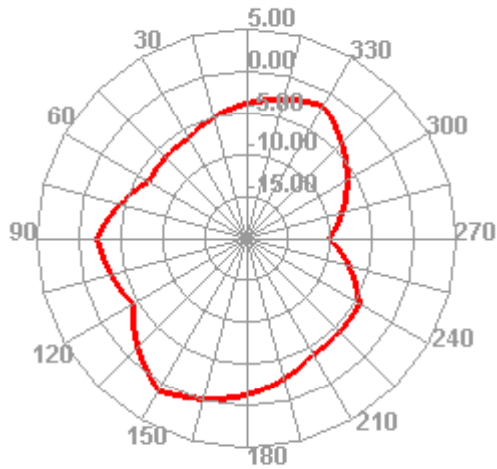
860.000MHz



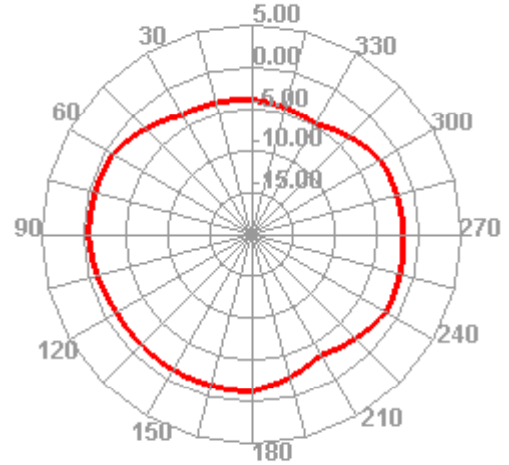
860.000MHz H



860.000MHz E1



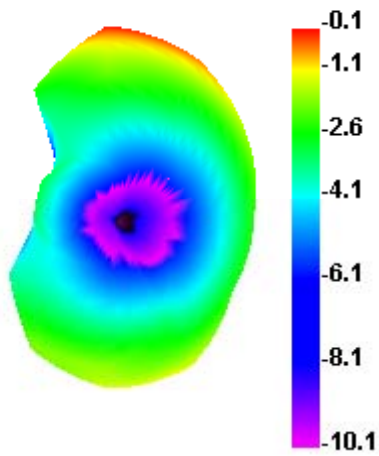
860.000MHz E2



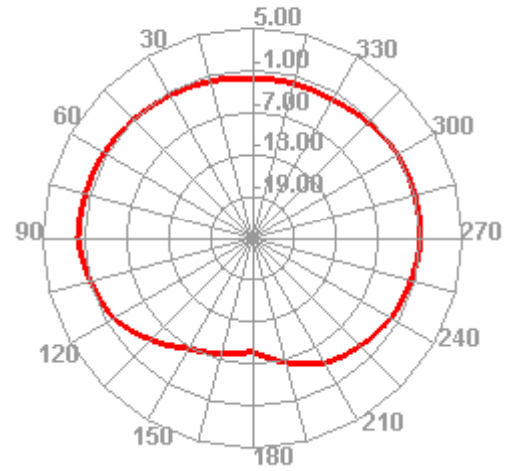


## Radiation Pattern For sub-G-2 Antenna

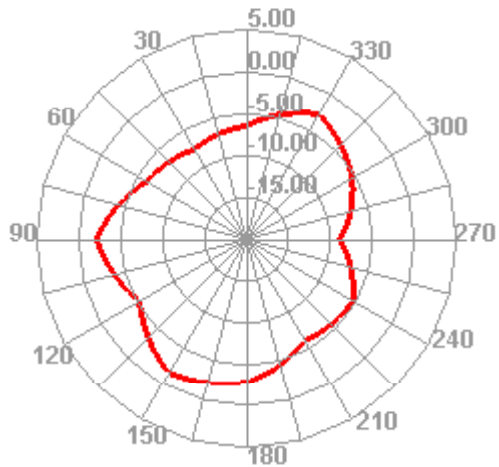
890.000MHz



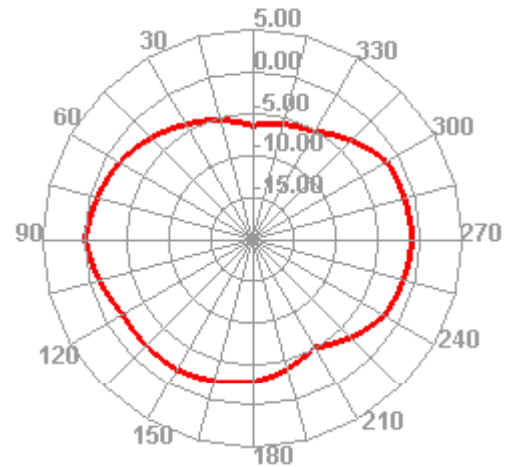
890.000MHz H



890.000MHz E1



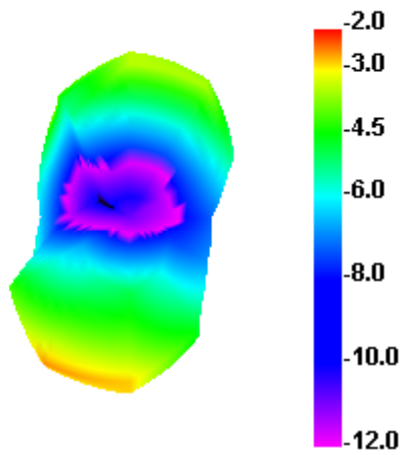
890.000MHz E2



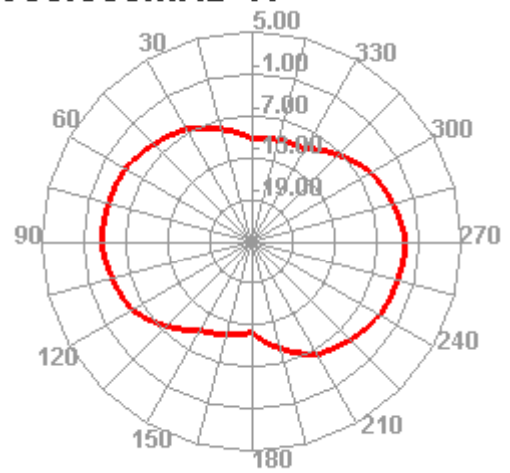


## Radiation Pattern For sub-G-2 Antenna

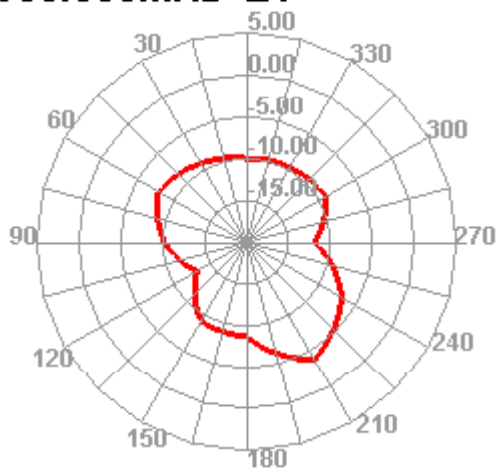
930.000MHz



930.000MHz H



930.000MHz E1



930.000MHz E2

