



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	23092202
版本 Revision	1.0

客 户
CUSTOMER:

客户料号
CUSTOMER NO:

501013895

品 名
PART NAME:

sug-G-1 Antenna

供方料号
SUPPLIER NO:

YJI01.005.093.302A

送样日期Date:

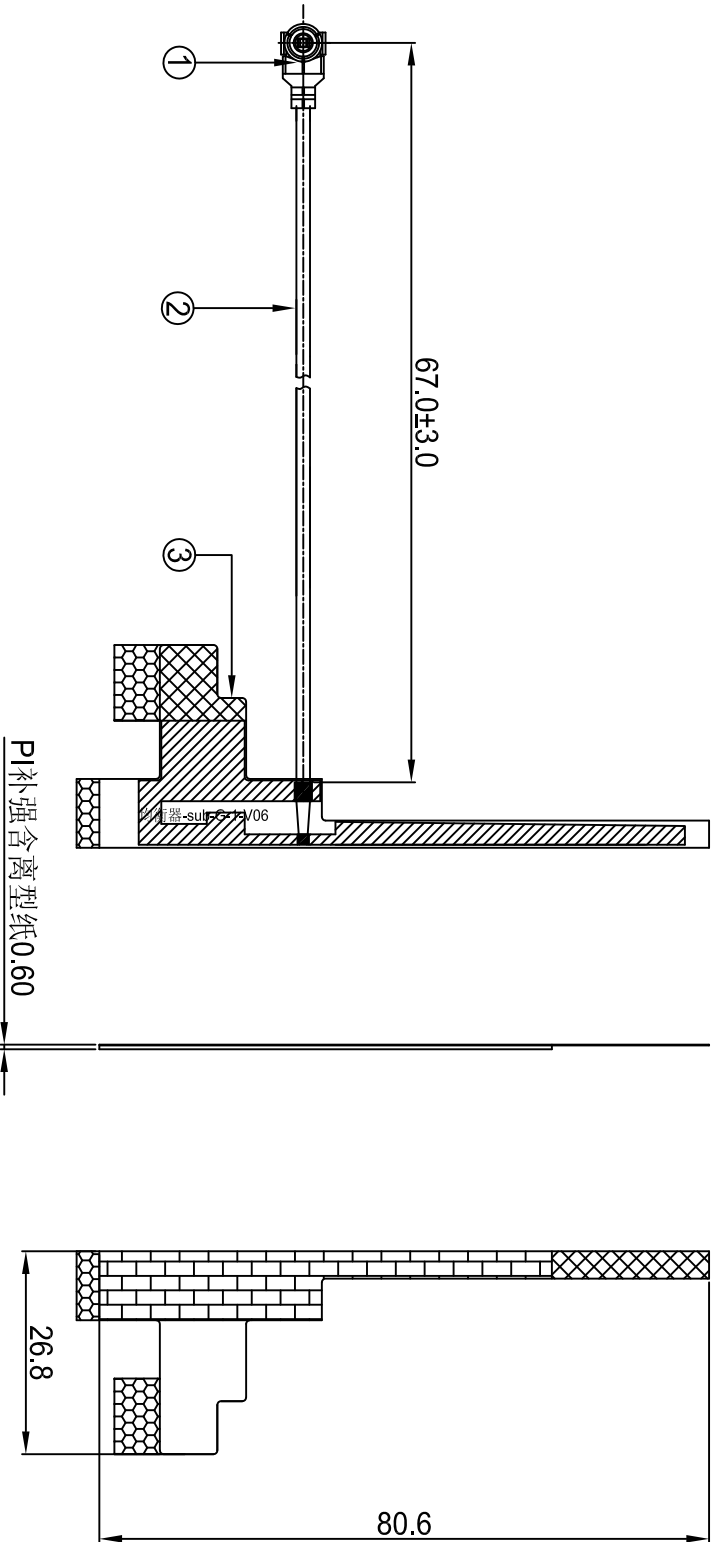
客户确认CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR

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

1	2	3	4	5	6	7	8
RoHS Compatible					REV.		
CUSTOMER					DESCRIPTION		DATE
PART NO					首次发行		2023-09-22



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-1 Antenna

PART NO.: YJ101.005.093.302A

DATE: 2023-09-22

APPROVED BY



Tolerance

殷涛

喻亚峰

陈兴易

UNITS: mm
SCALE: 1/1
REVISION: A

X.X ±0.50
X.XX±0.15
X° ±3°

3	FPCB	80.6*26.8MM	FPCB	FPC1000XA.P01	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
1					

6	7	8



天线规格

Antenna Specification

Electrical Properties

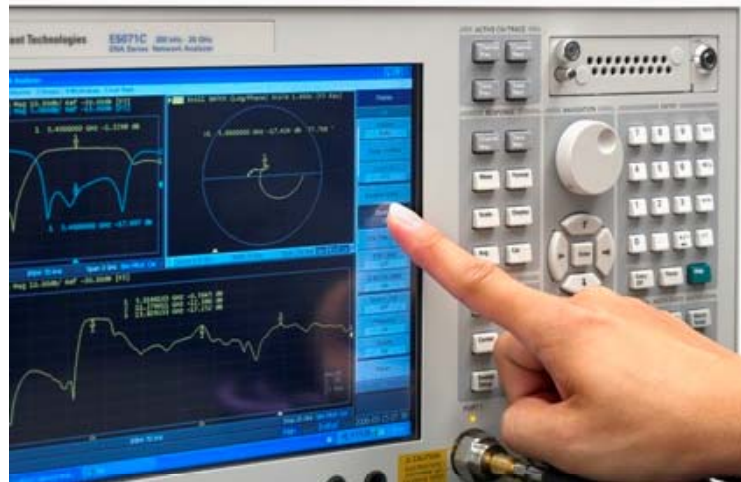
Frequency	866-928MHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max
Gain	2.8 dBi
Radiation	Omni-directional
Polarization	Linear

Physical Properties

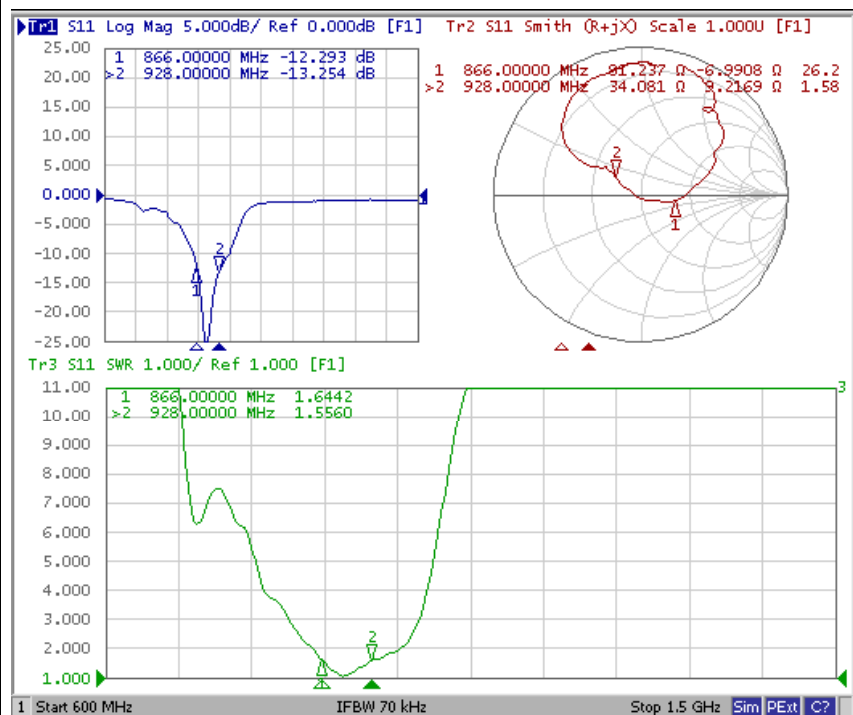
Connector	IPEX
Cable Type	O.D.1.13mm
Cable Length	67mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%



Agilent E5071B



S Parameter Test // sub-G-1 Antenna





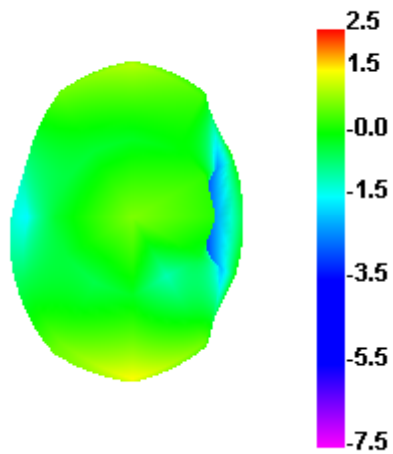
Passive Test For sub-G-1Antenna

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
860	61.9	-2.1	2.5
870	68.0	-1.7	2.8
880	72.0	-1.4	2.8
890	75.2	-1.2	2.4
900	83.2	-0.8	2.2
910	69.5	-1.6	1.2
920	73.6	-1.3	1.9
930	73.8	-1.3	2.2

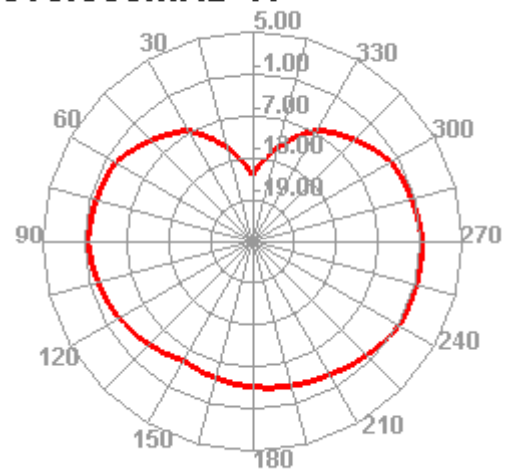


Radiation Pattern For sub-G-1 Antenna

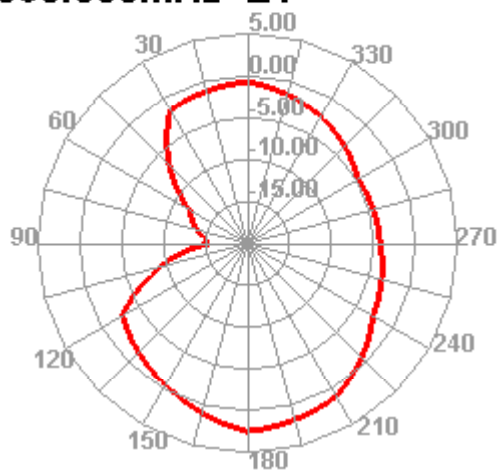
860.000MHz



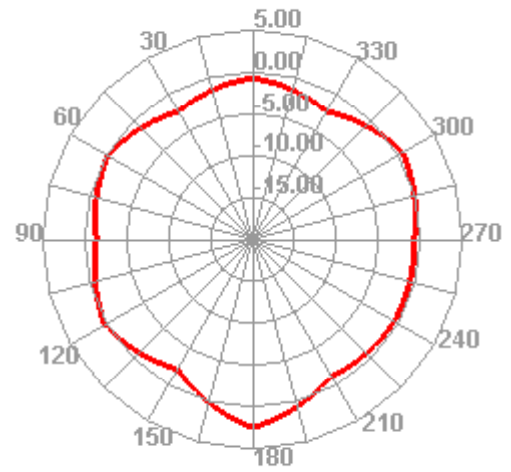
860.000MHz H



860.000MHz E1



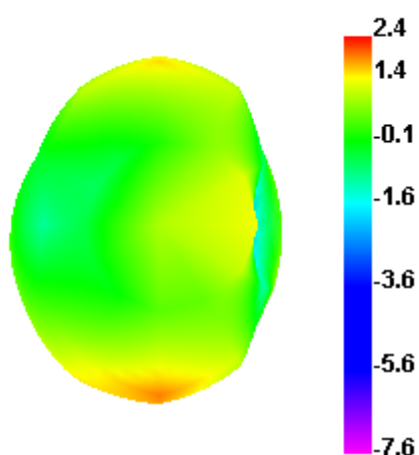
860.000MHz E2



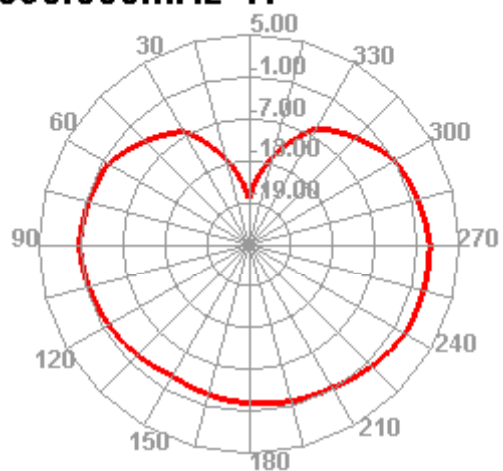


Radiation Pattern For sub-G-1 Antenna

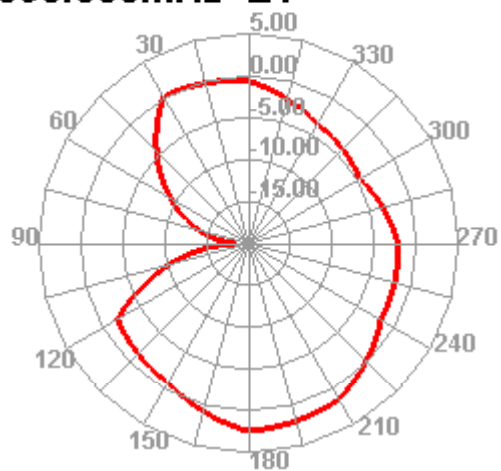
890.000MHz



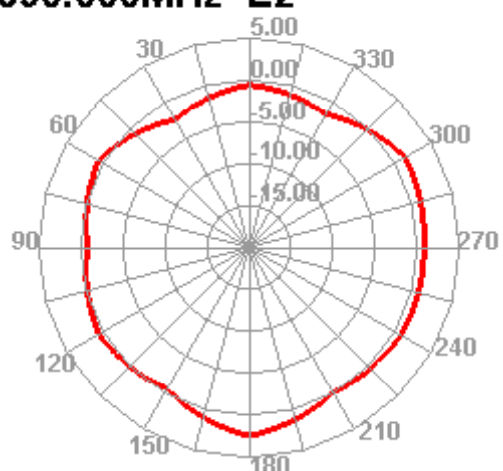
890.000MHz H



890.000MHz E1



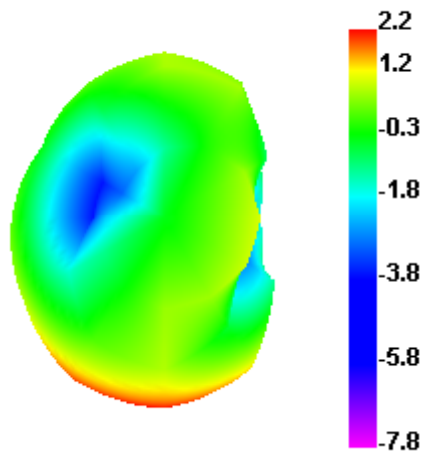
890.000MHz E2



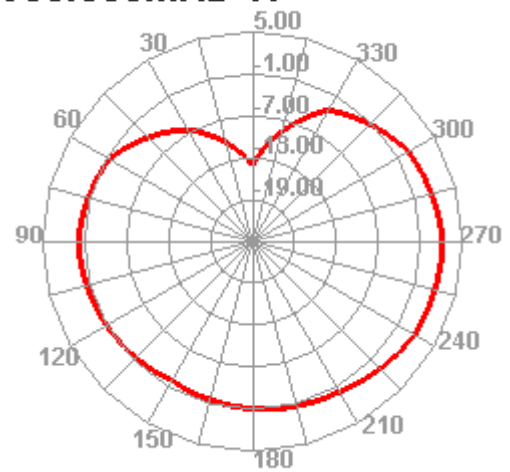


Radiation Pattern For sub-G-1 Antenna

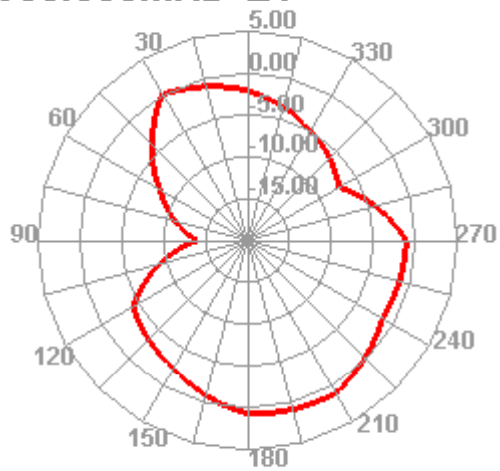
930.000MHz



930.000MHz H



930.000MHz E1



930.000MHz E2

