



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

Compatible

PART NO

A

首次发行

2023-09-22

Technical drawing showing a cross-section and a side view of a wall and floor assembly.

Cross-section (Top):

- Vertical dimension: 26.6
- Horizontal dimension: 90.4
- Materials: Brick pattern, cross-hatched pattern, and a layer with circles.

Side View (Bottom):

- Vertical dimension: 47.0 ± 3.0
- Labels: ①, ②, ③
- Text: PI补强含离型纸0.60
- Text: 封固端-SUP-G-23V05

NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY
3	FPCB	90.4*26.6MM	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

		东莞市一佳电子通讯科技有限公司 Dongguan Yulia Electronics Communication Technology Co., Ltd.		Tel: 0769-85553057 Fax: 0769-81664308	
PART NAME: sug-G-2 Antenna					
PART NO.: YJ101.005.093.301A			DATE: 2023-09-22		
APPROVED BY	CHECKED BY	DESIGNED BY			
			Tolerance		
			X.X ±0.50		
			X.XX±0.15		
股 涛			喻亚峰		
陈兴易			REVISION: A		
X° ±3°					



天线规格

Antenna Specification

Electrical Properties

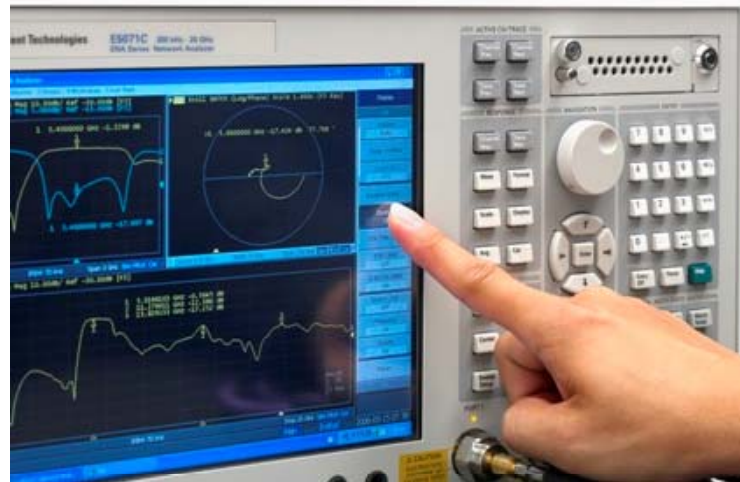
Frequency	866-928MHz
Impedance	50 Ohm Nominal
V.S.W.R	2.0 Max
Gain	1.0 dBi
Radiation	Omni-directional
Polarization	Linear

Physical Properties

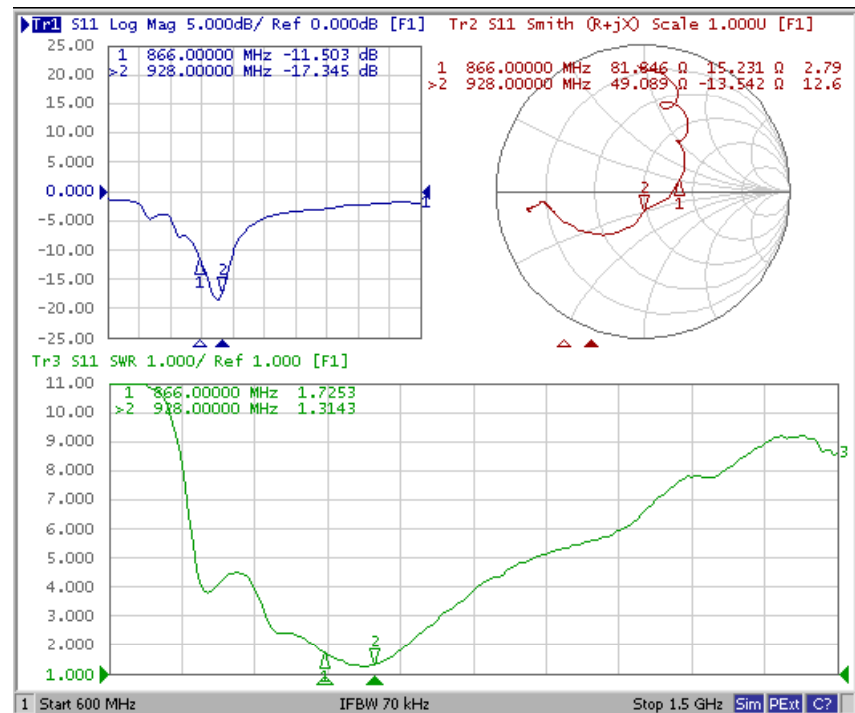
Connector	IPEX
Cable Type	O.D.1.13mm
Cable Length	47mm
Cable Color	Black
Operating Temp.	-40 ~ +85 °C
Storage Temp / Humidity	25±5°C / <70%



Agilent E5071B



S Parameter Test // sub-G-2 Antenna





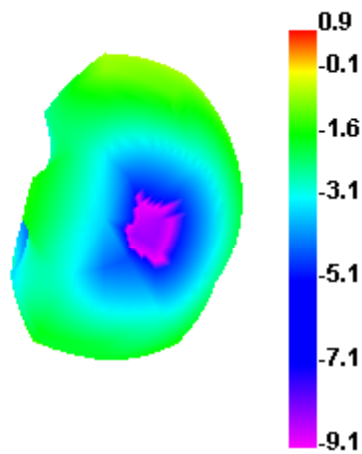
Passive Test For sub-G-2 Antenna

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

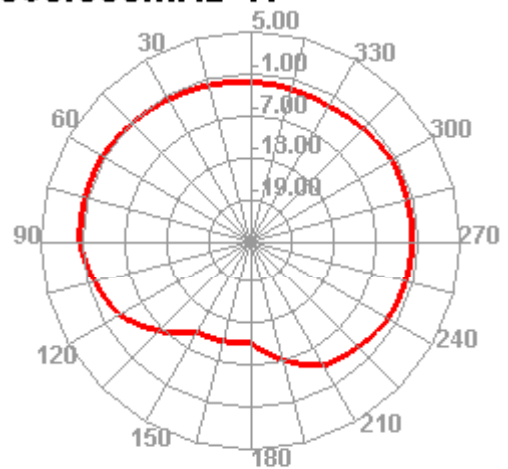


Radiation Pattern For sub-G-2 Antenna

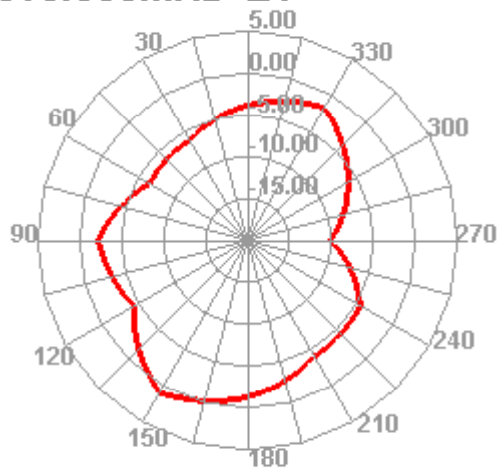
860.000MHz



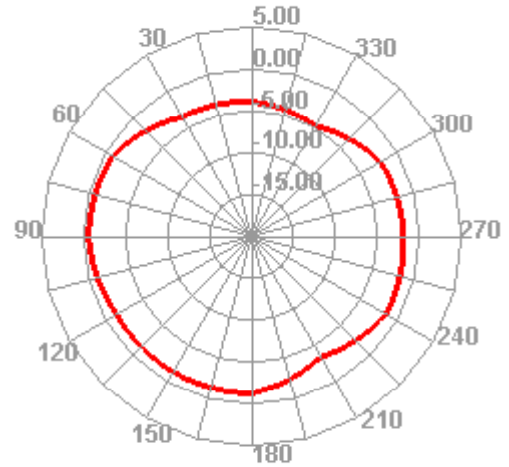
860.000MHz H



860.000MHz E1



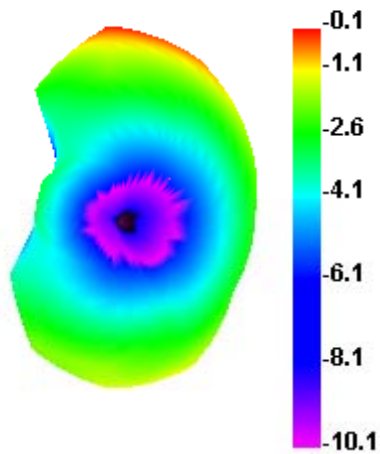
860.000MHz E2



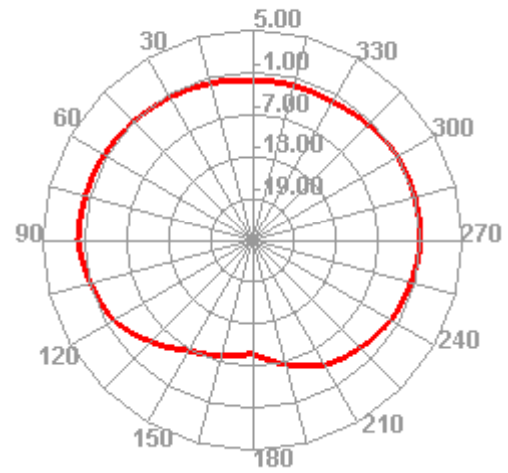


Radiation Pattern For sub-G-2 Antenna

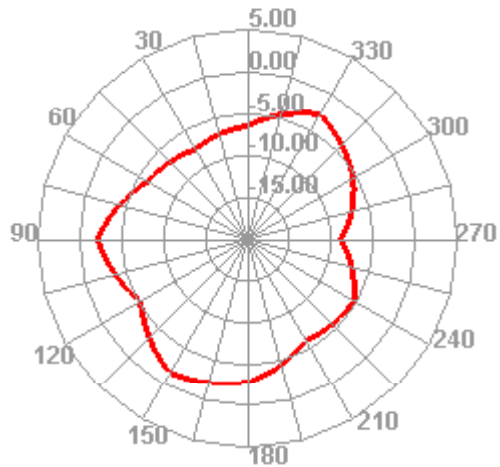
890.000MHz



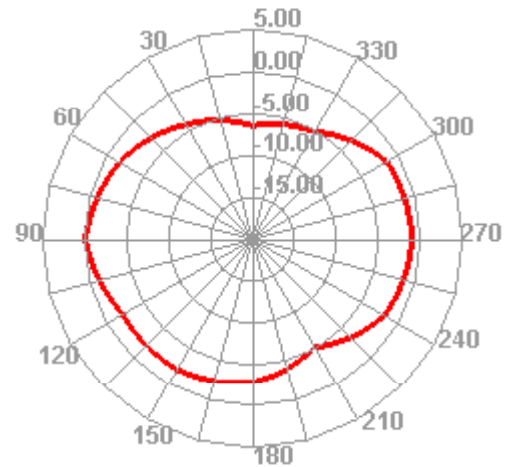
890.000MHz H



890.000MHz E1



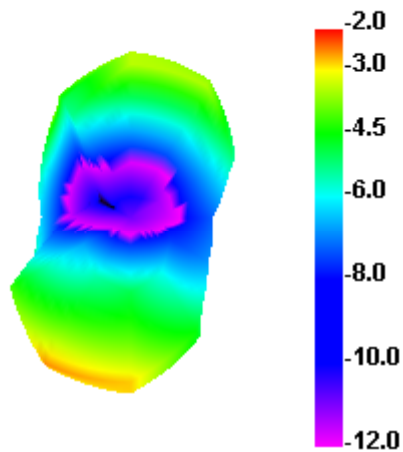
890.000MHz E2



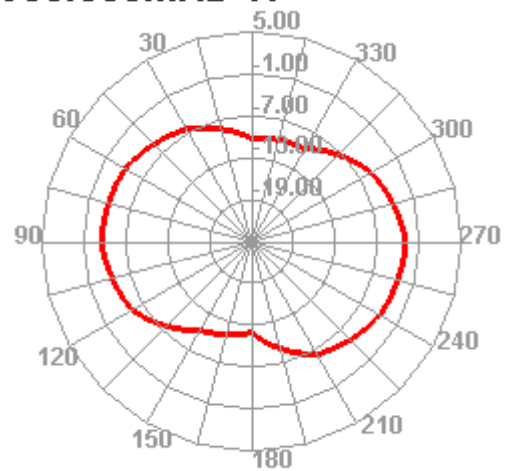


Radiation Pattern For sub-G-2 Antenna

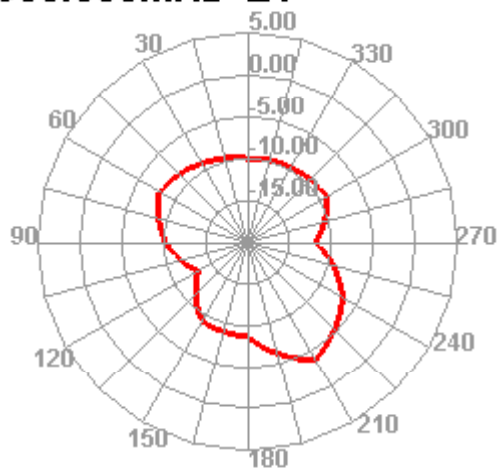
930.000MHz



930.000MHz H



930.000MHz E1



930.000MHz E2

