



manufacture:

Dongguan RF Electronic Technology Co., Ltd Comp
any Address: No.1 Sankeng Industrial Zone, Qinghutou, Tangxia Town, Dongguan City
电话: 0769-38940168 传真: 0769-39010966 网址: http://rflink.net.cn

承认书

SPECIFICATION FOR APPROVAL

客户名称

CUSTOMER NAME: 共进

产品名称

PRODUCT NAME: 6G 外置天线 L=90MM

客户料号

CUSTOMER P/N:

仁丰料号

RenFeng P/N: 3020202224 REV:A

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	顾思远	
AUDITOR BY:	肖玉鹏	
APPROVED BY:	姚定军	
DATE:	2025-03-13	



manufacture:

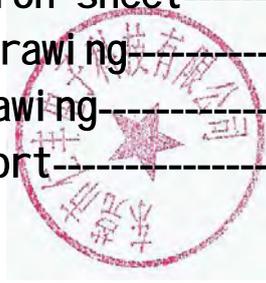
Dongguan RF Electronic Technology Co., Ltd

Address: No.1 Sankeng Industrial Zone, Qinghutou, Tangxia Town, Dongguan City

电话: 0769-38940168 传真: 0769-39010966 网址: <http://rflink.net.cn>

Contents

<i>Description</i>	<i>Page</i>
1、封面 Cover-----	1
2、履历表 Resume-----	2
3、目录 Catalogue-----	3
4、规格表 Specification sheet-----	4
5、成品图 Finished drawing-----	5
6、包装图 Package drawing-----	6
7、测试报告 Test report-----	7-12





manufacture:

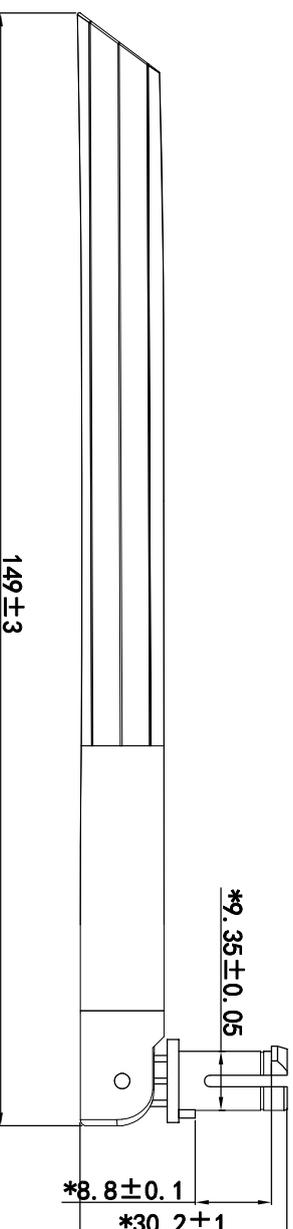
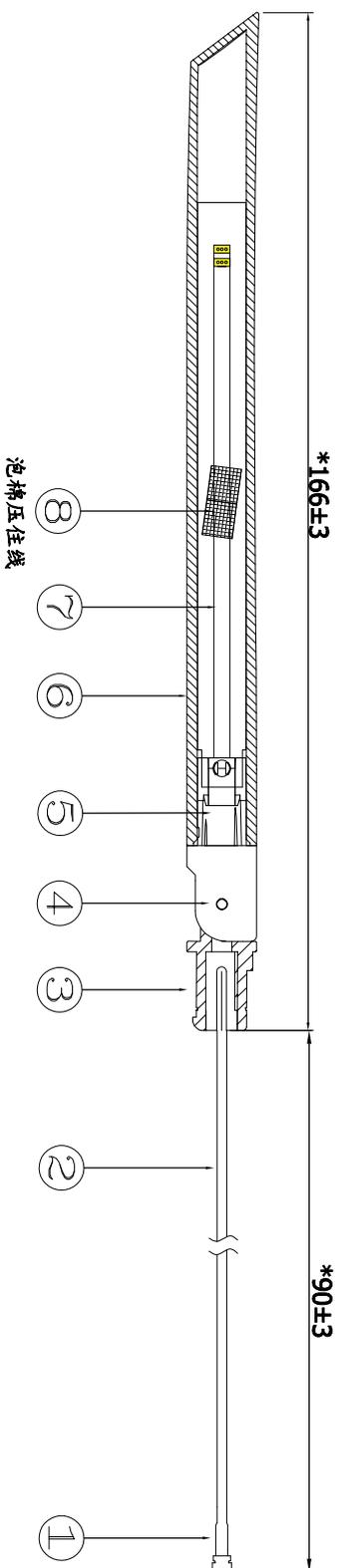
Dongguan RF Electronic Technology Co., Ltd
Address: No.1 Sankeng Industrial Zone, Qinghutou, Tangxia Town, Dongguan City
电话: 0769-38940168 传真: 0769-39010966 网址: http://rflink.net.cn

产品主要技术参数

Main technical specifications

主要技术指标		Main technical specifications	
频率范围 (MHZ)	5925-7125MHZ	Frequency Range (MHZ)	5925-7125MHZ
中心频率 特性阻抗(Ω)	50	Impedance(Ω)	50
增益(dBi)	2.56	Gain(dBi)	2.56
反射损耗	≤ -10	Return Loss(dB)	≤ -10
输出电压 驻波比	≤ 1.92	VSWR	≤ 1.92
极化方式	垂直极化	Polarization	Linear, Vertical
方向性	全向性	Radiation	Omni-directional
连接方式	出线	Connector Type	出线
物理性能		Physical Properties	
天线本体材 料	ABS	Antenna Base	ABS
工作温度	$-20^{\circ}\text{C}\sim+60^{\circ}\text{C}$	Operating Temp	$-20^{\circ}\text{C}\sim+60^{\circ}\text{C}$
保存温度	$-20^{\circ}\text{C}\sim+70^{\circ}\text{C}$	Storage Temp	$-20^{\circ}\text{C}\sim+70^{\circ}\text{C}$

REV	DATE	DESCRIPTION
A	2025-03-13	NEW ISSUE



8	泡沫	1	EVA; Black		
7	PCB	1	FR-4		
6	杆套	1	TPEE; Black		
5	上固定座	1	PC+ABS; Black		
4	铆钉	2	POM; Black		
3	下固定座	1	PC; Black		
2	线材	1	φ1.37 Gray		
1	端子	1	Copper		

尺寸规格 (mm)	公差 (mm)
0L ≤ 6	±0.10
6L ≤ 30	±0.10
30L ≤ 50	±0.15
50L ≤ 180	±0.20
180L ≤ 315	±0.25
315L ≤ 800	±0.35

APPROVED

CUSTOMER:

RF link

东莞市仁丰电子科技有限公司

PART NO :

RenFeng Electronic

CHECKED

technology Co., LTD.

PARTNAME : RF Antenna Assembly

3020202224

R.F P/NO :

DRAWING

带公差尺寸为检验尺寸

产品符合环保RoHS2.0之要求

A

B

C

D

E

F

G

角度 ±0.5°

规格 Specification:

频率 Frequency Range: 5925-7125MHz

回波损耗 Return loss: -10dB or less

驻波比 VSWR: 1.92 max

增益 Gain (peak): 2dBi

UNIT

SCALE

SIZE

SHEET

REV

mm

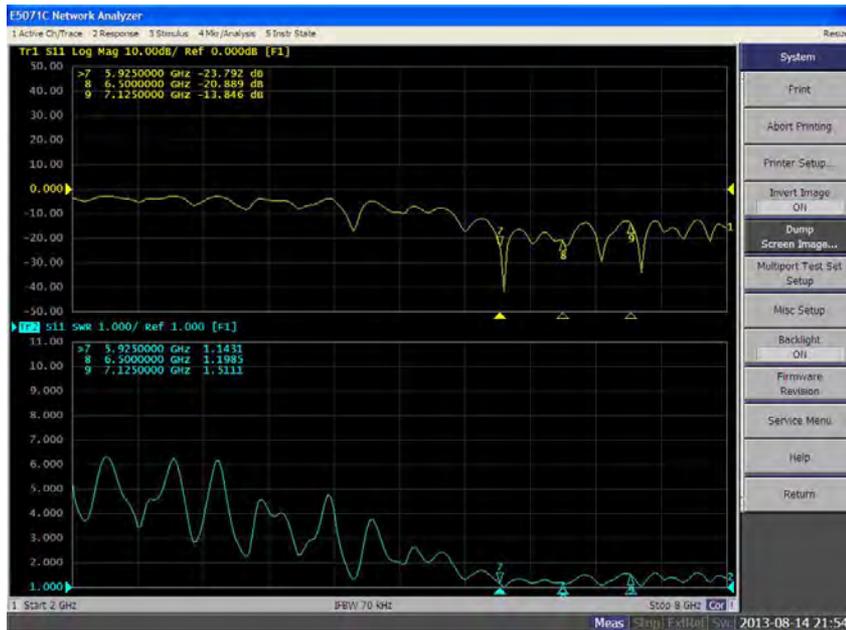
1:1

A4

10F1

单频天线 (Single frequency antenna) 6G-2

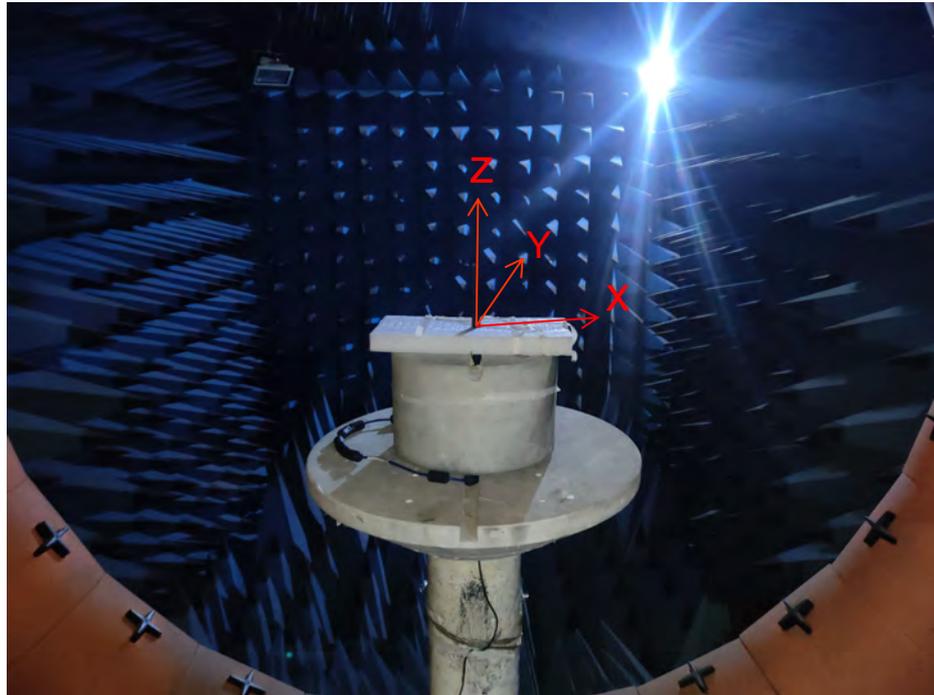
回波损耗与电压驻波比 (Return loss and voltage standing wave ratio) VSWR



6G-2

BE9400 Project

Coordinate system



H面: XY

E1面: XZ

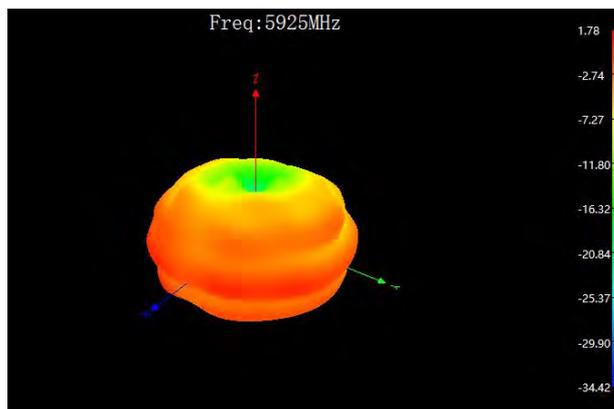
E2面: YZ

增益与远场方向图 (Gain and far-field pattern) 2D/3D Pattern



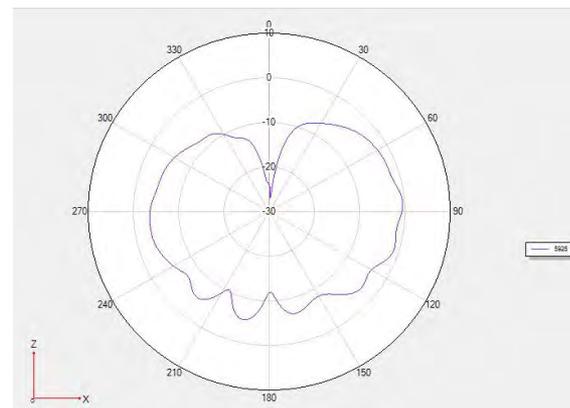
H面: XY
E1面: XZ
E2面: YZ

远场方向图 (Far-field pattern)

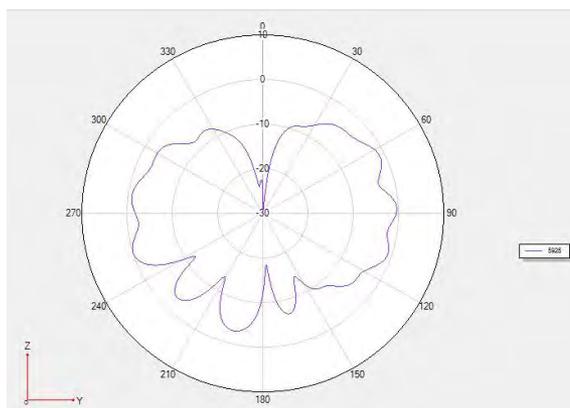


6G-2
5925MHz

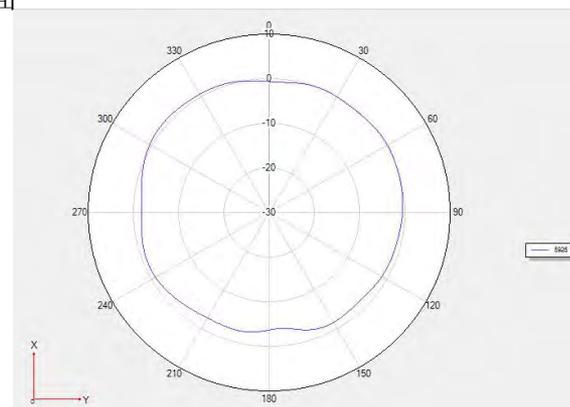
E1面



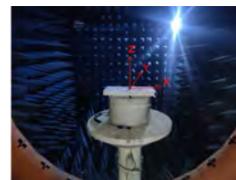
E2面



H面

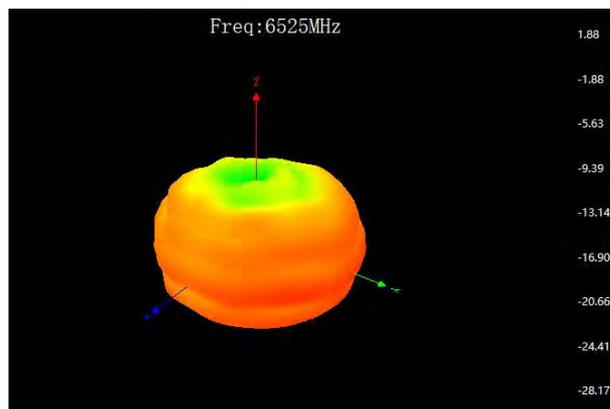


增益与远场方向图 (Gain and far-field pattern) 2D/3D Pattern



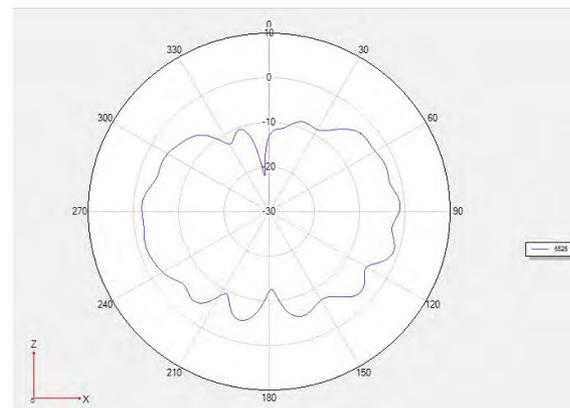
H面: XY
E1面: XZ
E2面: YZ

远场方向图 (Far-field pattern)

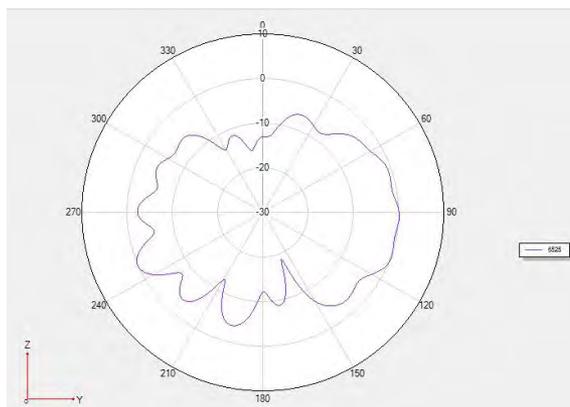


6G-2
6525MHz

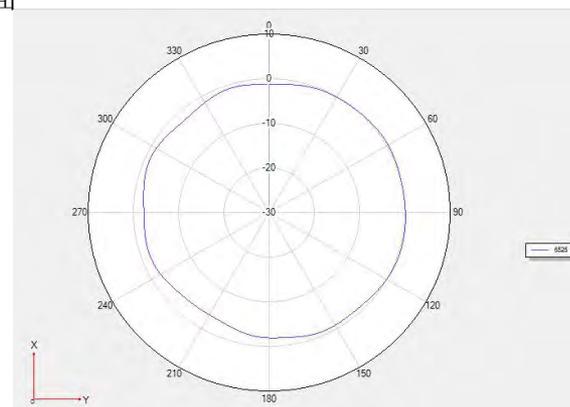
E1面



E2面



H面

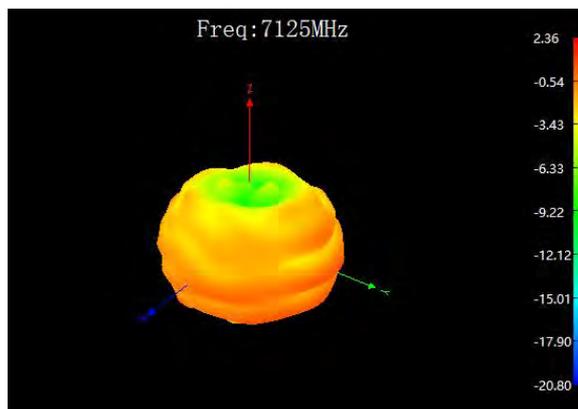


增益与远场方向图 (Gain and far-field pattern) 2D/3D Pattern



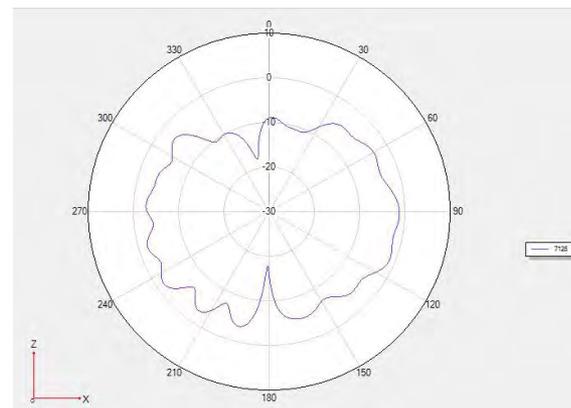
H面: XY
E1面: XZ
E2面: YZ

远场方向图 (Far-field pattern)

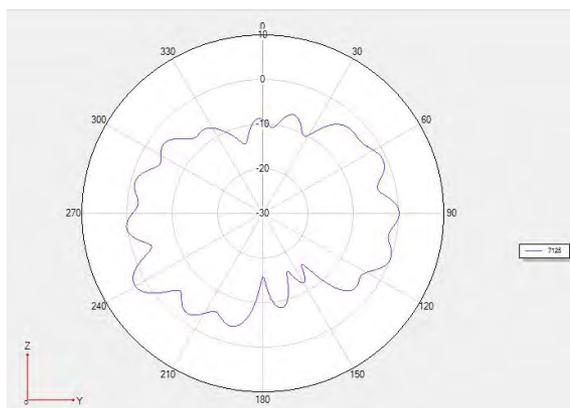


6G-2
7125MHz

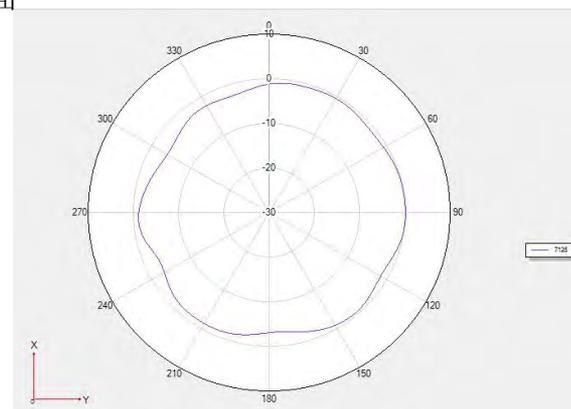
E1面



E2面



H面



BE9400 Project Peak Gain&Efficiency

	6G-2	
Freq (MHz)	Effi (%)	Gain (dBi)
5925	69	1.78
5975	69.6	1.79
6025	65.19	1.65
6075	64.1	1.66
6125	65.53	1.74
6175	65.98	1.74
6225	65.19	1.75
6275	66.43	1.89
6325	62.92	1.66
6375	64.32	1.63
6425	60.65	1.97
6475	62.6	1.78
6525	63.77	1.88
6575	63.77	1.71
6625	65.87	2.04
6675	62.71	1.63
6725	63.56	1.75
6775	66.43	2.17
6825	62.81	1.89
6875	62.92	1.64
6925	63.36	2.38
6975	62.19	2.11
7025	60.35	2.07
7075	62.71	2.36
7125	63.45	2.56

