



东莞市仁丰电子科技有限公司

Dongguan RF Electronic Technology Co., Ltd

公司地址: 东莞市塘厦镇清湖头三坑工业区1号 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: 广联

产品名称

PRODUCT NAME: 2.4-2.5/5.15-5.825GHz 内置天线 L=227/80mm

客户料号

CUSTOMER P/N: 205-2069

仁丰料号

RenFeng P/N: U00T02S000N04919 REV:D

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	赵文天	
AUDITOR BY:	宋俊	
APPROVED BY:	姚定军	
DATE:	2024-02-18	



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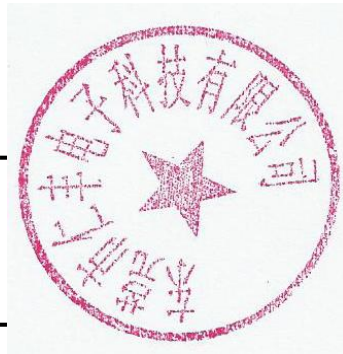
公司地址：东莞市塘厦镇清湖头三坑工业区1号 电话：0769-38940168 传真：0769-39010966 网址：<http://www.rflink.net.cn>

一、变更履历

履历表 Resume					
版次号 Edition No.	修改章节 Modify chapter	修改页码 Modify Page	生效日期 Effective date	文件和资料更改内容 File and data changes	更改记录人 Change recorder
A	5	5	2023-12-28	初版发行	赵文天
B	5	5	2024-01-05	变更背胶材质	赵文天
C	5	5	2024-01-16	变更外漏线长	赵文天
D	5	5	2024-01-25	变更PCB及外漏线长	赵文天

Contents

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四、-----	规格 Specifications sheets
五、-----	成品图 End product chart
六、-----	测试报告 Testing report

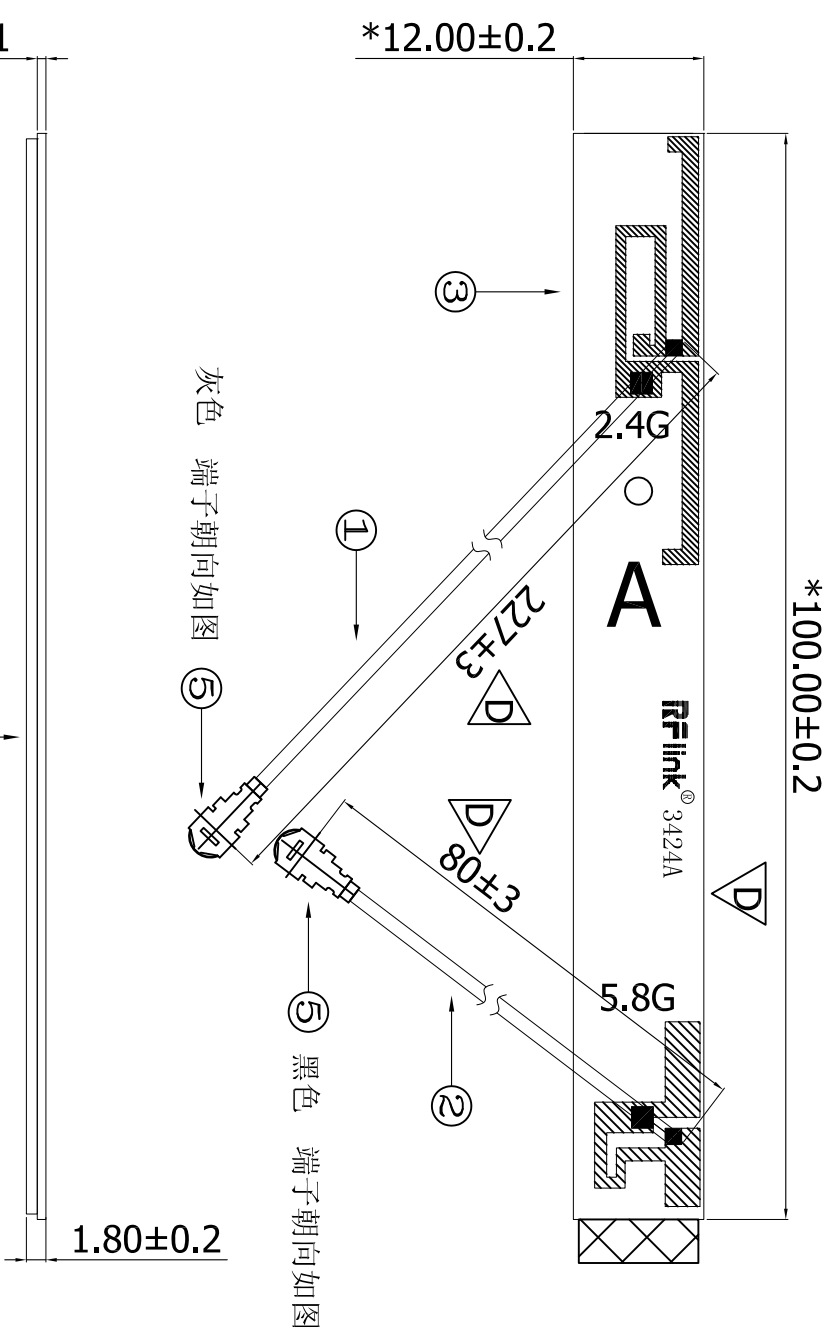


四、规格表：

产品主要技术参数

主要技术指标		Maintechnicalspecifications	
频率范围 (MHZ)	2400-2500 5150-5825	FrequencyRange (MHZ)	2400-2500 5150-5825
特性阻抗(Ω)	50	Impedance(Ω)	50
增益(dBi)	3.5 \pm 0.5	PeakGain(dBi)	3.5 \pm 0.5
输出电压 驻波比	2.0	VSWR	2.0
极化方式	垂直极化	Polarization	Linear,Vertical
方向性	全向性	Radiation	Omni-directional
连接方式	端子	ConnectorType	MHFPlug
物理性能		PhysicalProperties	
天线材料	FR-4	Antennacover	FR-4
工作温度	-20 $^{\circ}$ C ~ +70 $^{\circ}$ C	OperatingTemp	-20 $^{\circ}$ C ~ +70 $^{\circ}$ C
保存温度	-20 $^{\circ}$ C ~ +70 $^{\circ}$ C	StorageTemp	-20 $^{\circ}$ C ~ +70 $^{\circ}$ C

REV	DATE	DESCRIPTION
A	2023-12-29	NEW ISSUE
B	2024-01-05	变更背胶材质
C	2024-01-17	变更线长
D	2024-01-25	变更PCB及线长



规格 Specification:
 频率 Frequency Range : 2.4-2.5GHz
 5.15-5.825GHz

NO	DESCRIPTION	Q'TY	REMARK
5	端子	2	Copper;
4	背胶	1	3M 300LSE;
3	POB	1	FR-4;
2	线材	1	1.13 Black;
1	线材	1	1.13 Gray;

APPROVED	CHECKED	DRAWING
XXX ±2.0	X, ±0.5	.X ±0.1
XXX ±1.0	X, ±0.2	.XX ±0.1

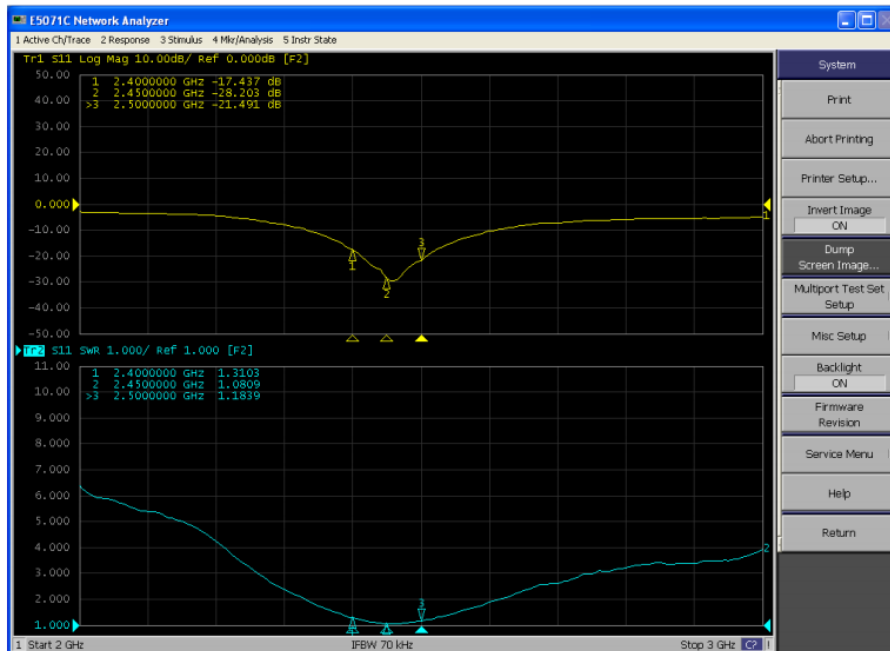
CUSTOMER:	PART NO :	PARTNAME :	R.F P/NO :
			U00T02S000N04919
REV	UNIT	SCALE	SIZE
D	mm	1:1	A4

RF link
 东莞市仁丰电子科技有限公司
 RenFeng Electronic
 technology Co., LTD.

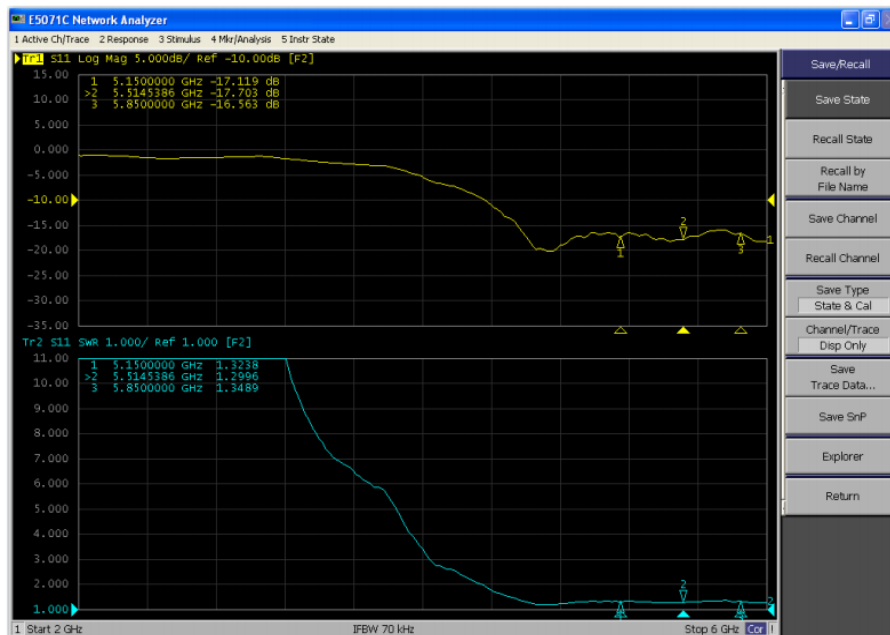
六.测试报告Testingreport

6.1网络分析仪测试报告

Measurement data--Return Loss & VSWR-2G-1

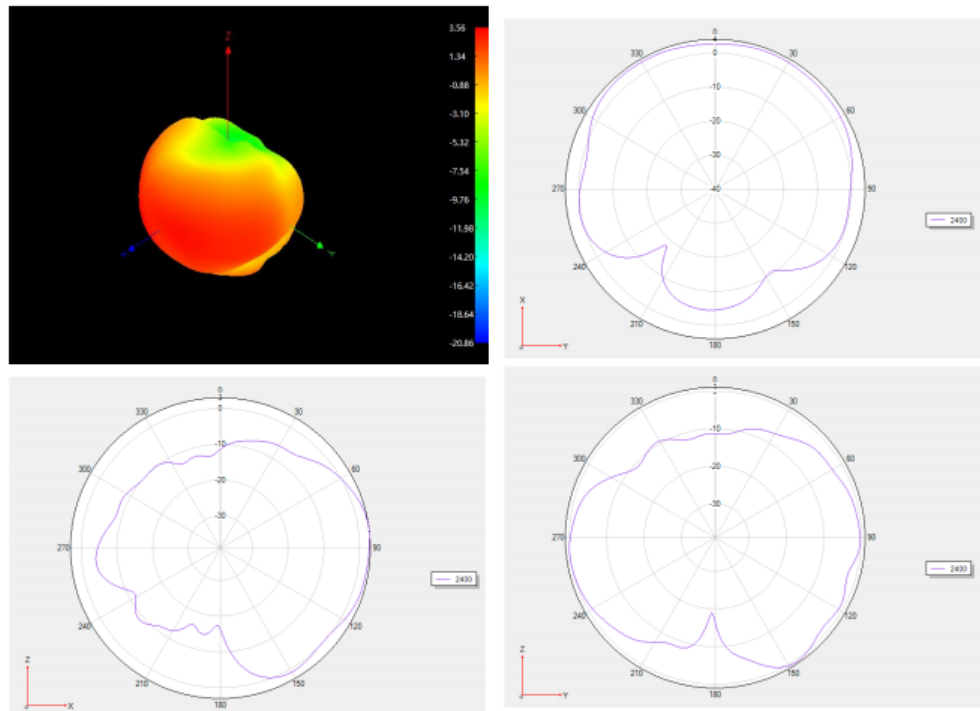


Measurement data--Return Loss & VSWR-5G-1

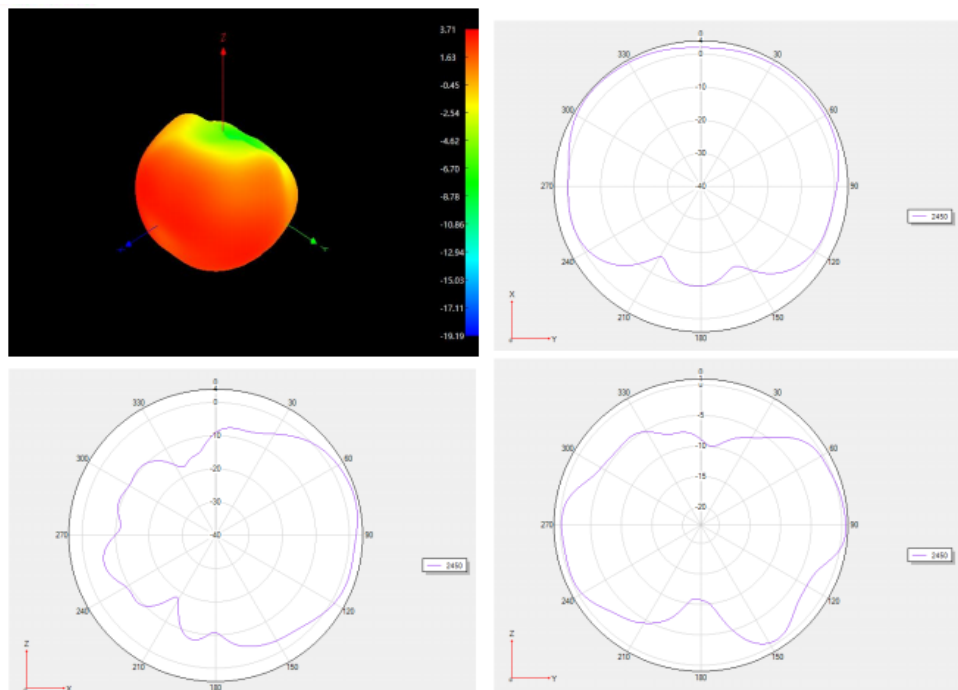


6.2 暗室3D、2DRadiationPattern

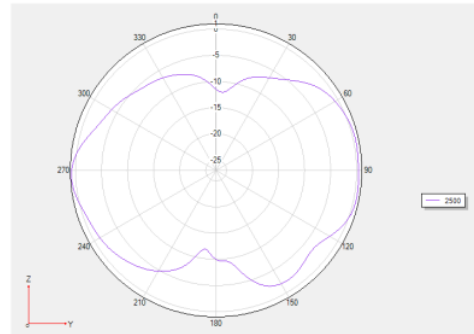
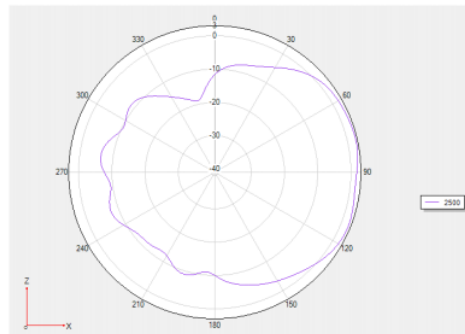
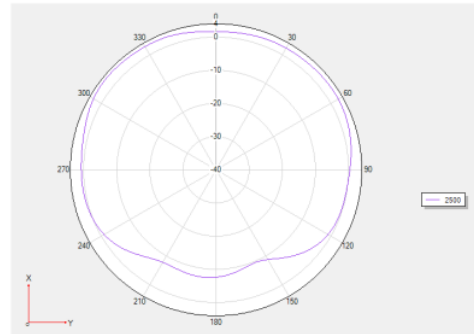
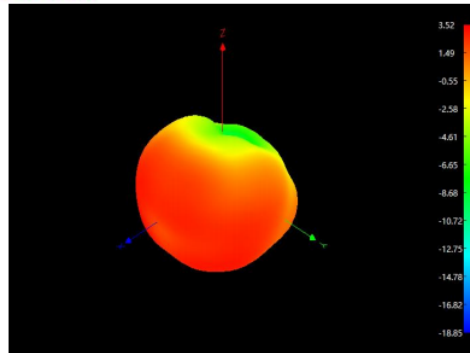
2G-1-2400MHz



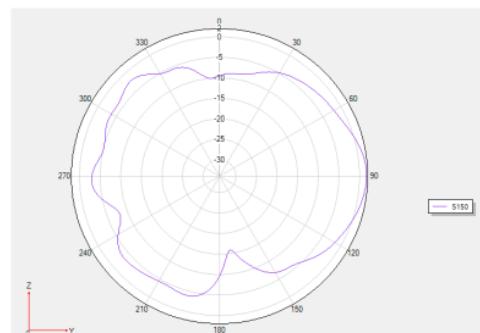
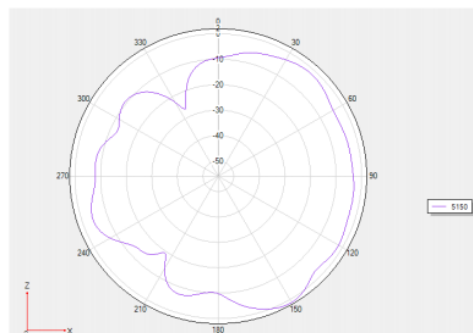
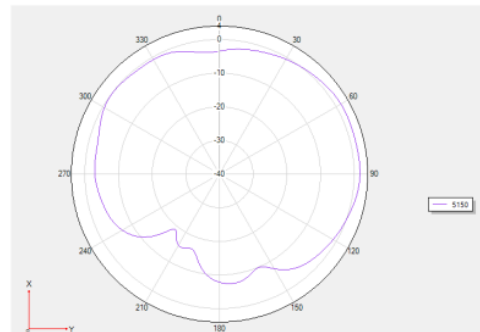
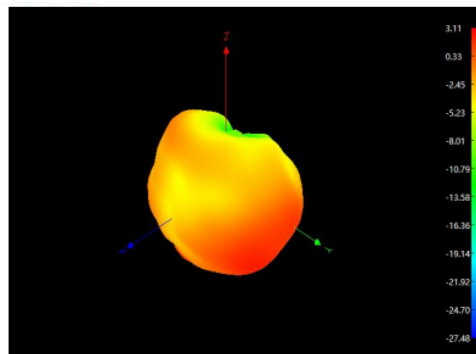
2G-1-2450MHz



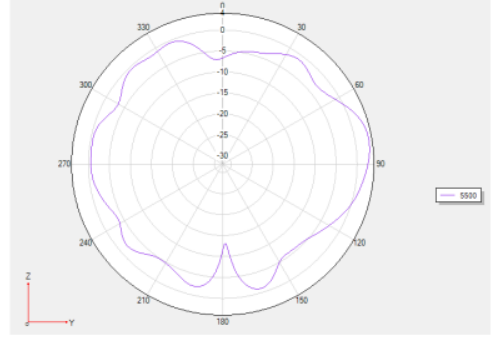
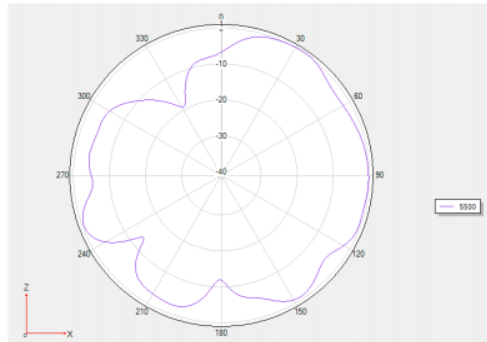
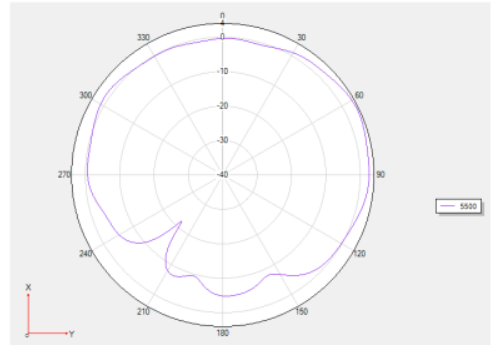
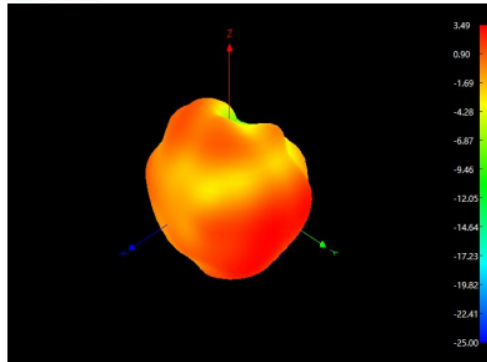
2G-1-2500MHz



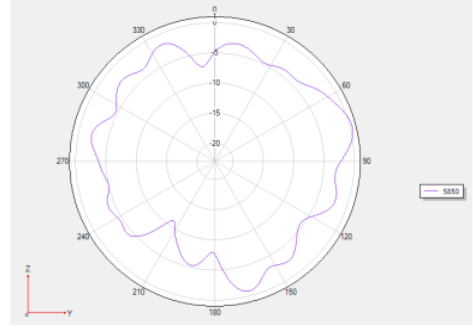
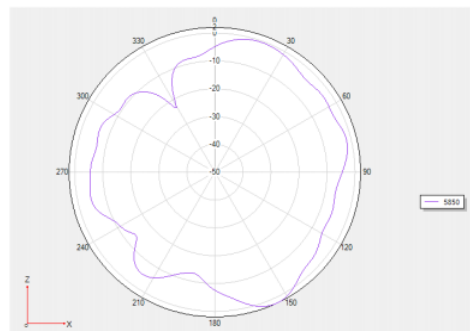
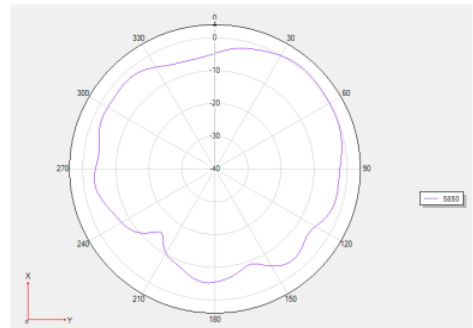
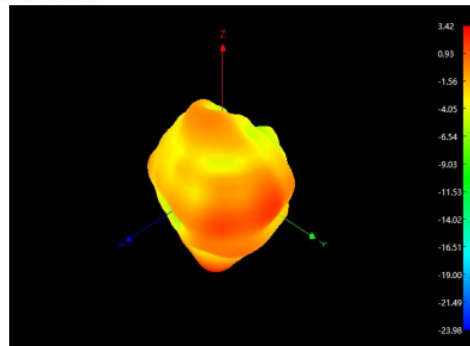
5G-1-5150MHz



5G-1-5500MHz



5G-1-5850MHz





2G-1

Frequency / MHz	Gain/ dBi	Efficiency / %
2400	3.56	69.98
2410	3.68	69.98
2420	3.51	69.02
2430	3.75	67.14
2440	3.61	70.47
2450	3.71	71.94
2460	3.71	68.55
2470	3.59	68.01
2480	3.61	68.61
2490	3.68	68.1
2500	3.52	67.81

5G-1

Frequency / MHz	Gain/ dBi	Efficiency / %
5150	3.11	70.86
5200	3.47	73.16
5250	3.27	68.11
5300	3.44	71.03
5350	3.24	72.44
5400	3.17	69.82
5450	3.23	69.13
5500	3.49	70.7
5550	3.5	72.35
5600	3.46	71.98
5650	3.37	71.17
5700	3.22	70.92
5750	3.3	72.54
5800	3.49	73.56
5850	3.42	70.52