

规格书

SPECIFICATION FOR APPROVAL

型号

Model: ZH-HG90移动

客户料号

Customer NO: 5502.0701.0063

物料编码

PART NO: LXC-ZN-HG90-01

型号规格

Antenna type: 2.4G/5G外置天线(2.4G 1.37灰 L=170mm/5G 1.37黑L=140mm)

日期

DATE: 2024.05.18

供应商

PROVIDER: 深圳市连兴创电子科技有限公司

客户 承认	确认	器件/结构	品质	采购	性能	核准
供应商 承认	确认	确认	校对	审核	批准	

版本信息变更记录

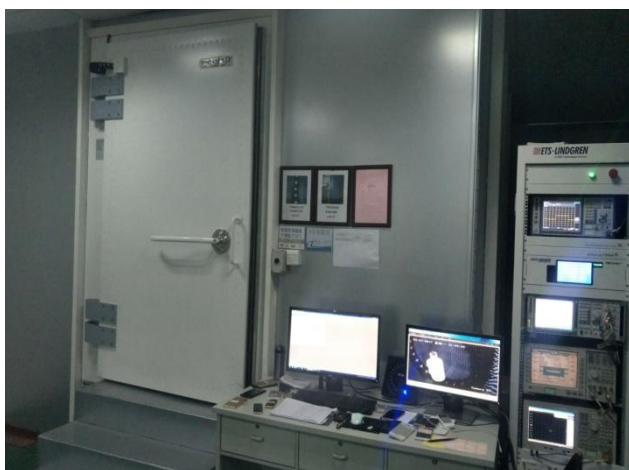
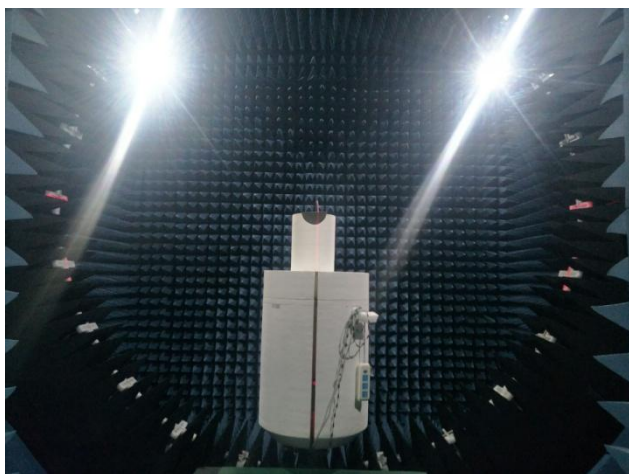
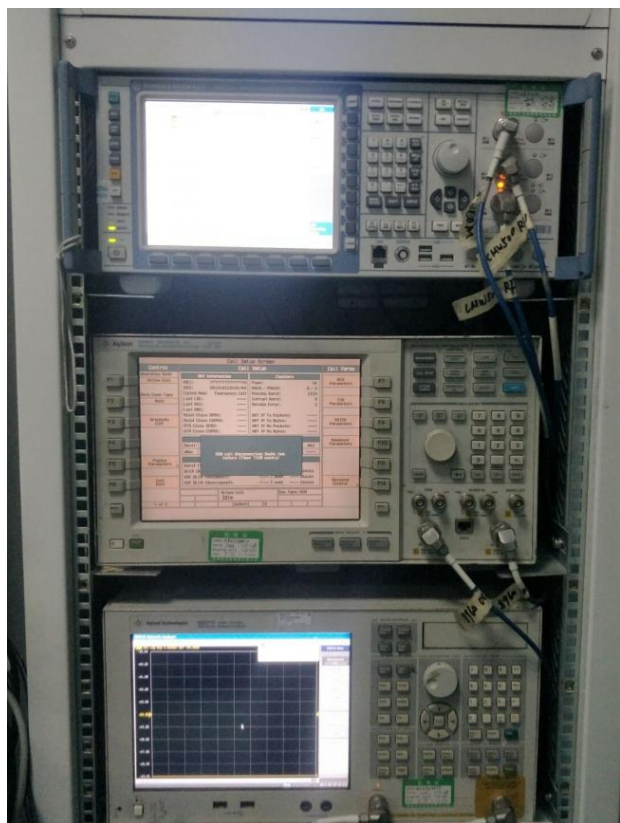
版本变更记录

变更日期	变更内容	版本	变更人	批准人

版本信息变更记录

序号	内容	页码
-	承认书封面	
-	版本变更记录	
1	承认书项目表	
2	试验设备和条件	
3	样机结构说明件	
4	天线成品图	
5	S11	
6	增益/效率/3D图	

测试设备



The basic parameters

A. Electrical Characteristics

Frequency	2400 MHz ~2500MHz/5150 MHz ~5850MHz
VSWR	≤ 2
Efficiency	>70%
Impedance	50 Ohm
Polarization	Linear
Gain	5dBi ± 1

B. Material & Mechanical Characteristics

Material of Radiator

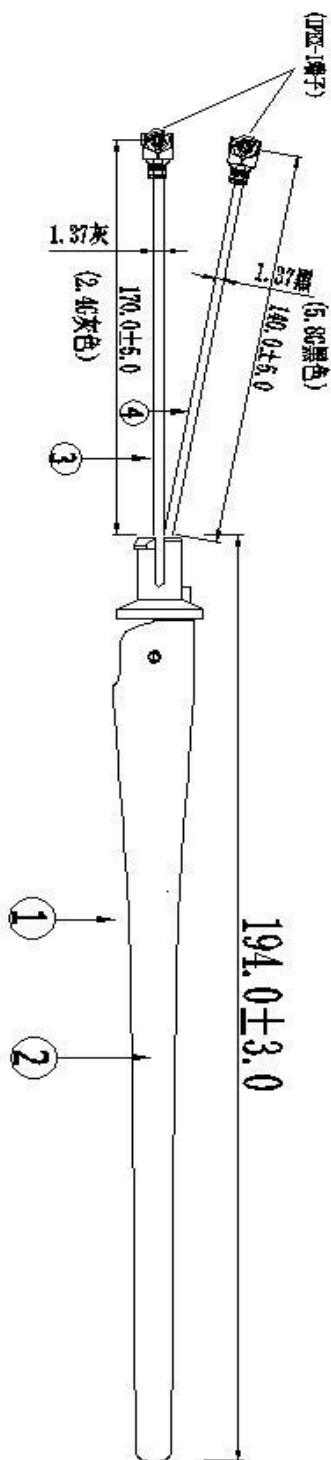
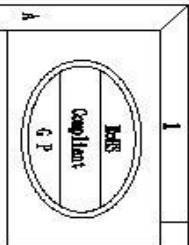
Cable Type	2.4G $\Phi 1.37$ mm Gray 5G $\Phi 1.37$ mm Black
Connector Type	2.4G 一代IPEX 5G 一代IPEX
Dimension	

C. Environmental

Operation Temperature	- 20 °C ~ + 60 °C
Storage Temperature	- 40 °C ~ + 80 °C

天线2D图档

由 Autodesk 教育版产品制作



1. 频段: (2.4-2.5-5.15-5.8MHz)

备注:

1. 标注*为重点尺寸, 未标公差尺寸按照 ± 0.15 检测
2. 未标注尺寸请依图纸。
3. 符合RoHS 2.0无卤

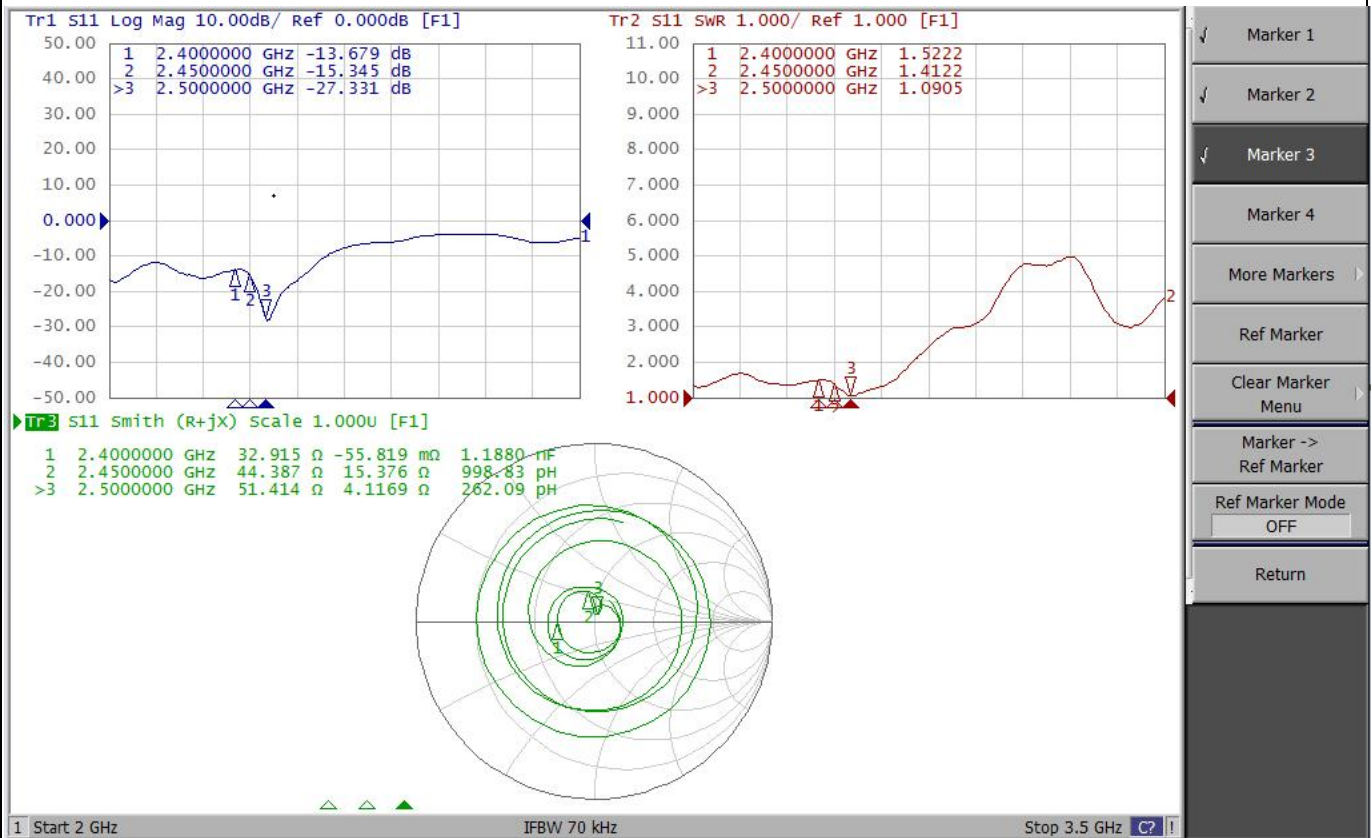
尺寸		公差	检测方法	检测工具	检测人员	检测日期	检测地点	检测结果
0~10	±0.05	0.02	目视	0.02				
10~18	±0.10	0.03	目视	0.03				
18~30	±0.12	0.03	目视	0.03				
30~40	±0.15	0.04	目视	0.04				
40~	±0.20	0.05	目视	0.05				

NO	DESCRIPTION	QTY
4	1.37灰色线束	1
3	1.37灰色线束	1
2	1.37灰色线束	1
1	白色外置杆套	1

Autodesk 教育版产品制作

天线2.4无源测试数据

2.4G(S11/SWR/Smith)



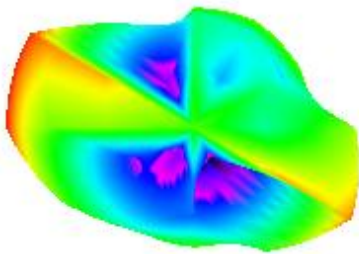
Antenna *Efficiency

2.4G

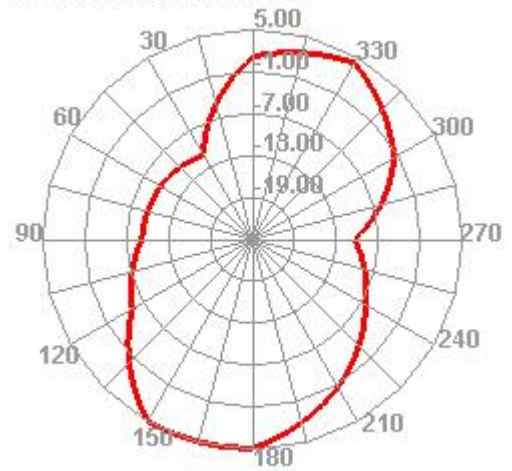
Freq	Effi	Gain
(MHz)	(%)	(dBi)
2400	74.71	5.94
2410	74.7	5.87
2420	74.61	5.85
2430	74.69	5.85
2440	75.21	5.83
2450	75.65	5.71
2460	75.82	5.66
2470	76.06	5.54
2480	76.12	5.37
2490	76.17	5.28
2500	76.09	5.21

2D&3D方向图

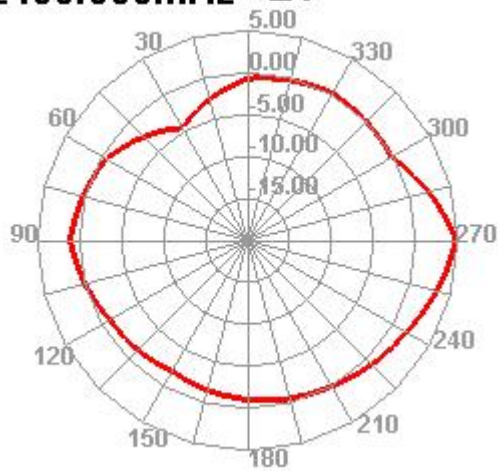
2400.000MHz



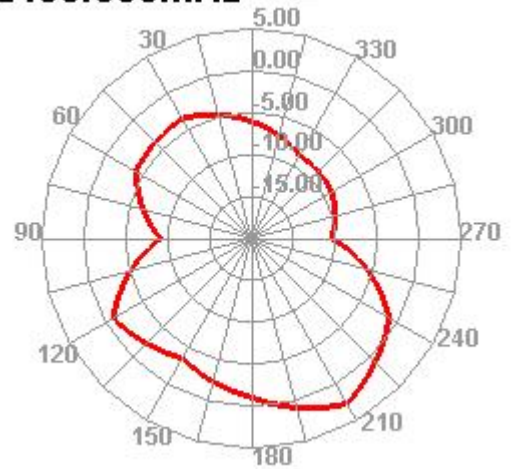
2400.000MHz H



2400.000MHz E1

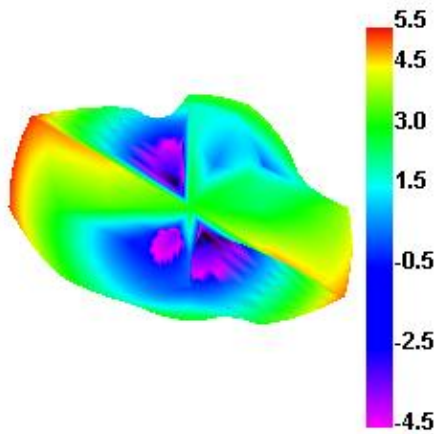


2400.000MHz E2

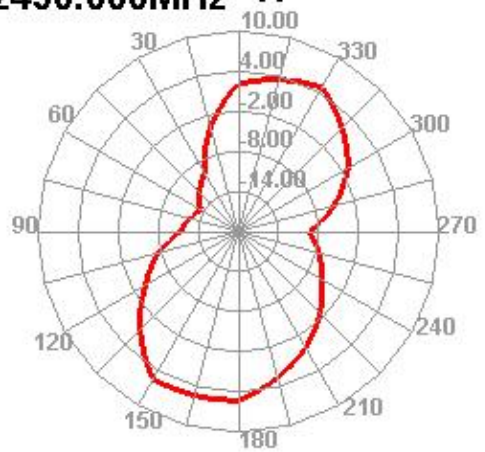


Antenna *Efficiency

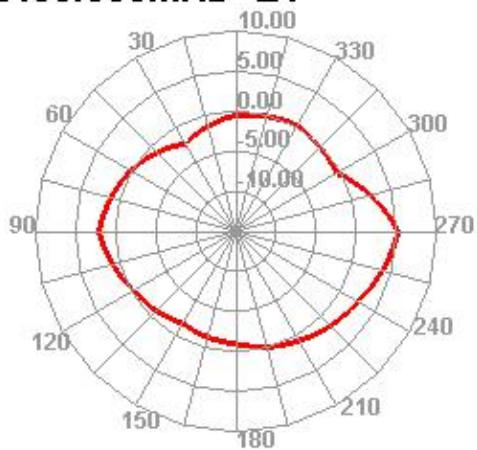
2450.000MHz



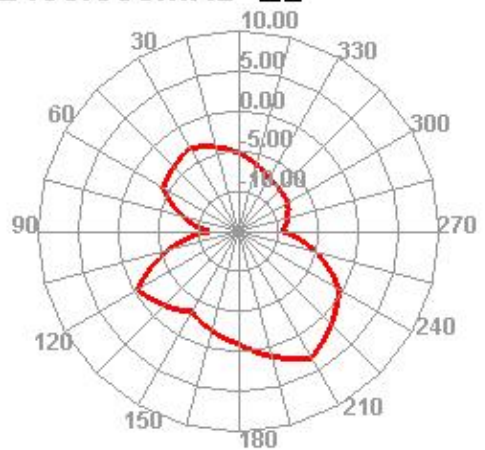
2450.000MHz H



2450.000MHz E1

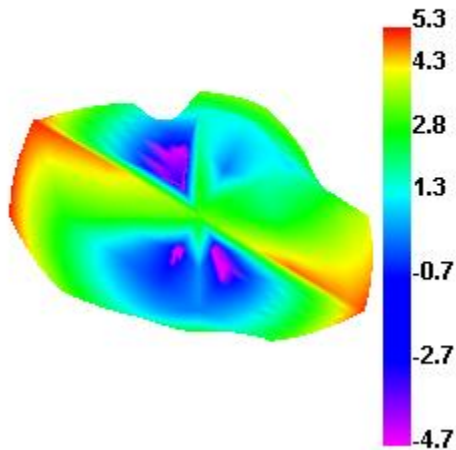


2450.000MHz E2

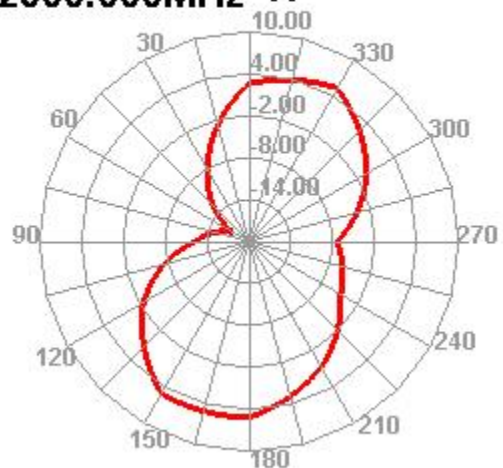


Antenna *Efficiency

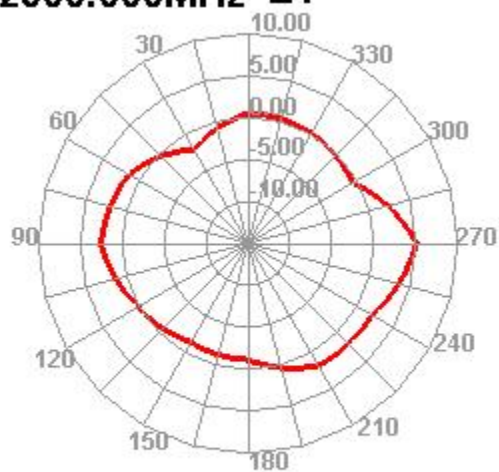
2500.000MHz



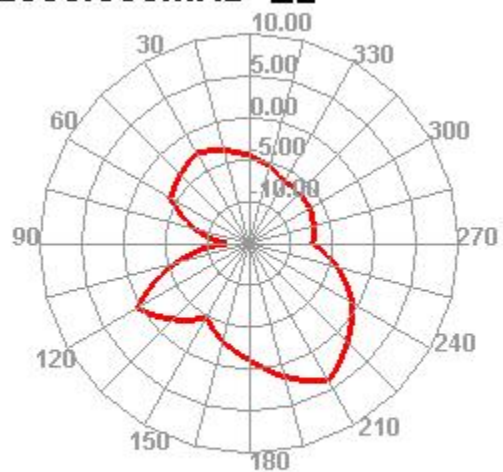
2500.000MHz H



2500.000MHz E1

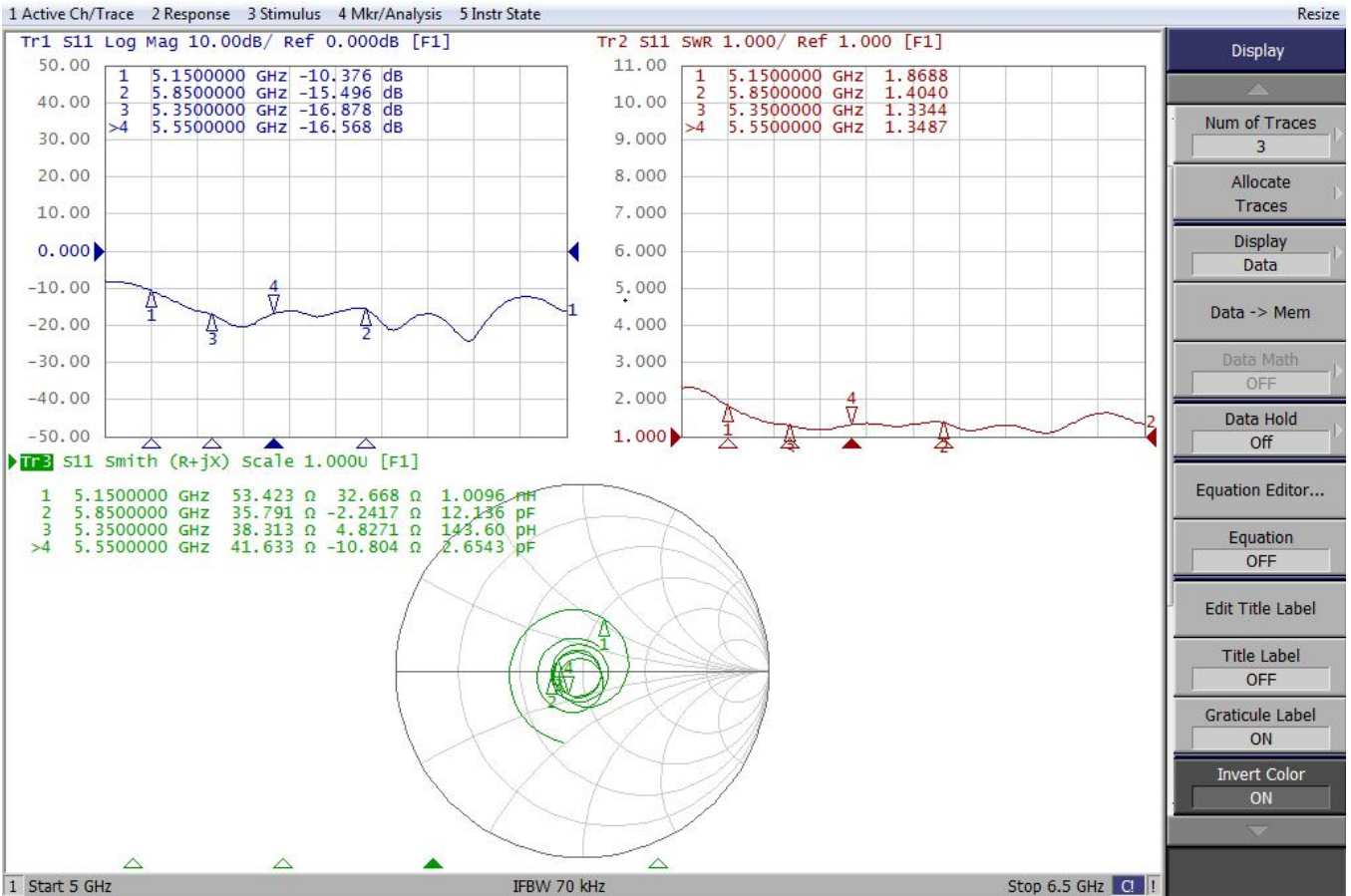


2500.000MHz E2



天线2.4无源测试数据

5G(S11/SWR/Smith)

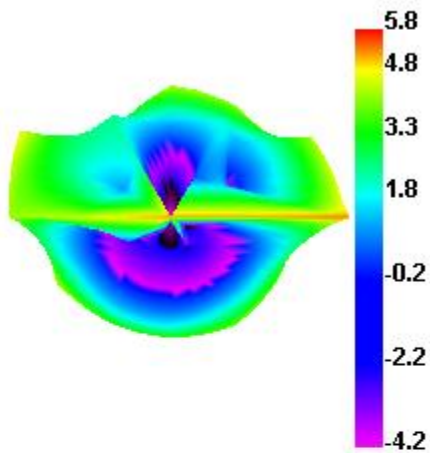


Antenna *Efficiency

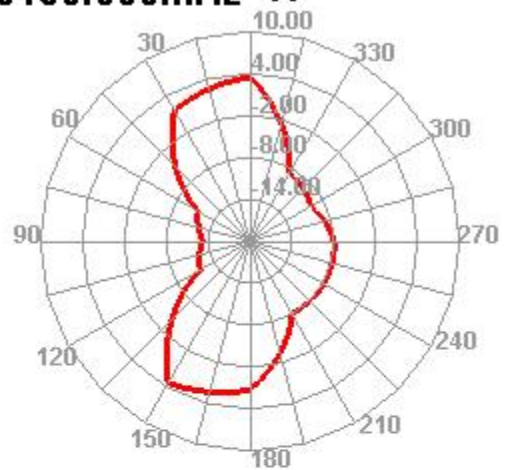
Freq	Effi	Gain
(MHz)	(%)	(dBi)
5150	74.85	5.22
5200	73.79	5.28
5250	71.61	5.32
5300	65.9	5.17
5350	61.95	5.29
5400	74.15	5.39
5450	74.48	5.21
5500	76.18	5.17
5550	78.26	5.28
5600	71.06	5.28
5650	72.89	5.12
5700	73.21	5.17
5750	75.19	5.58
5800	72.46	5.35
5850	73.21	5.36

2D&3D方向图

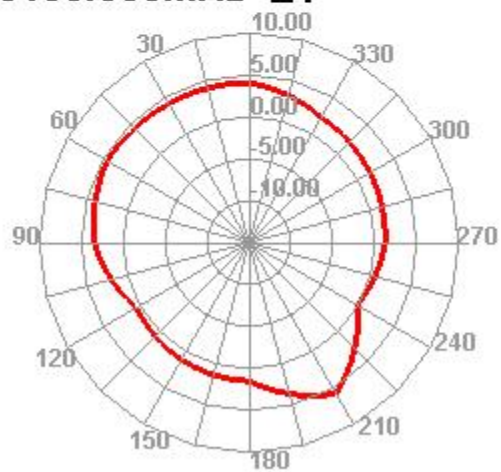
5150.000MHz



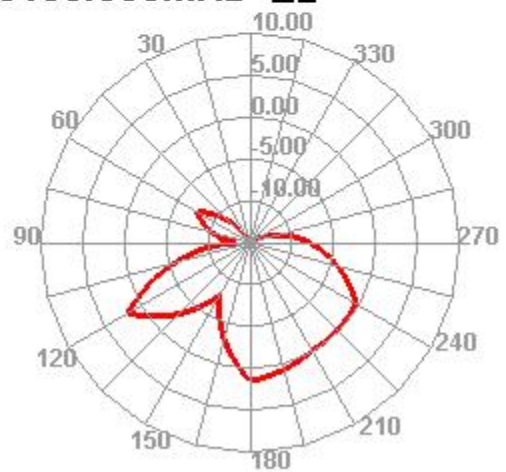
5150.000MHz H



5150.000MHz E1

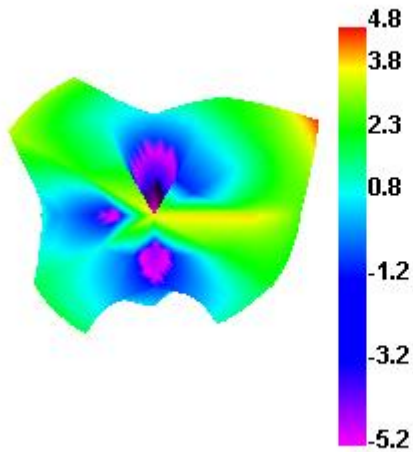


5150.000MHz E2

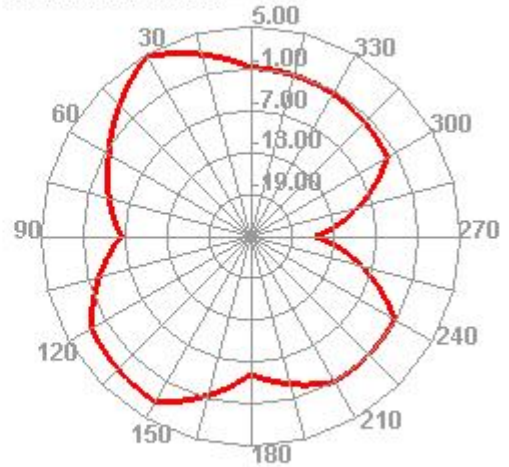


2D&3D方向图

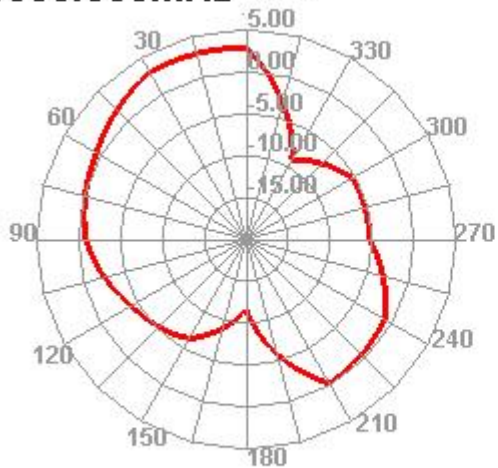
5550.000MHz



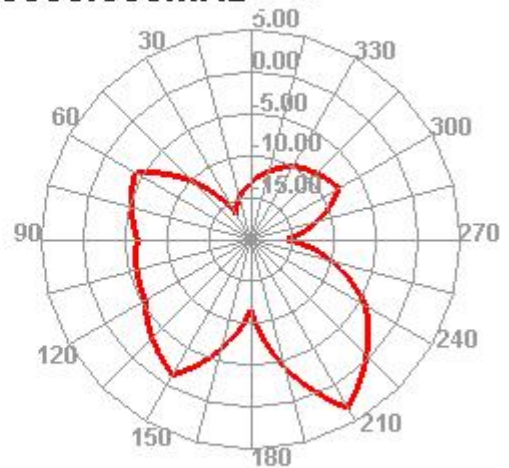
5550.000MHz H



5550.000MHz E1

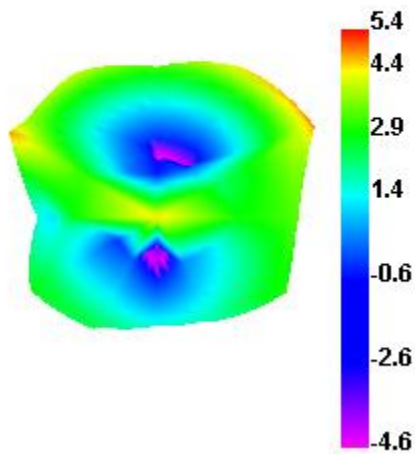


5550.000MHz E2

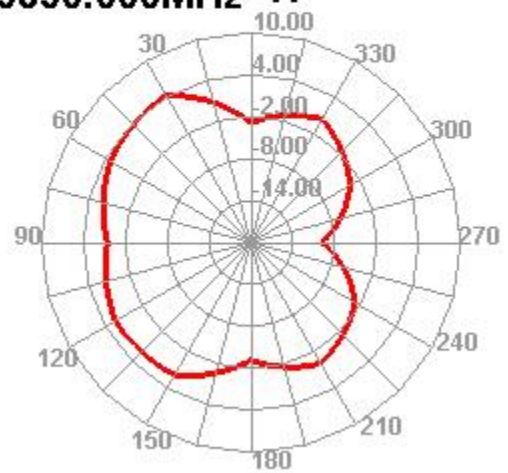


2D&3D方向图

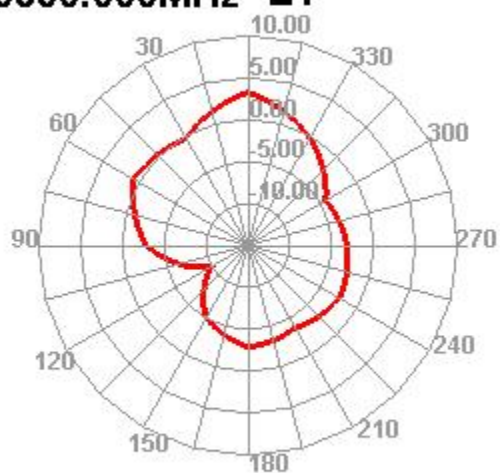
5850.000MHz



5850.000MHz H



5850.000MHz E1



5850.000MHz E2

