

产品规格书

SPECIFICATION

KTC产品名称: Wifi天线 黑色 70mm 2.4-2.5GHz/5.15-5.85GHz WF0
DESCRIPTION: WifiAntenna Black 70mm 2.4-2.5GHz/5.15-5.85GHz WF0

KTC产品编码: 6150-007011-7T000001
MATERIAL CODE: 6150-007011-7T000001

供应商产品名称: IPEX一代-1.13黑-FPC-L70WIFI天线
SUPPLIER PRODUCT NAME:IPEX-1.13Black-FPC-L70WIFI Antenna

供应商物料编码: 132500-4039-10070
SUPPLIER MATERIAL CODE:132500-4039-10070

送样日期: 2024.12.2
RECEIVED DATE:

深圳市兆赫通信技术有限公司 Shenzhen Zhaohe Communication Technology Co., Ltd		
拟制 PREPARED BY	审核 CHECKED BY	批准 APPROVE BY
林伟栋	蒋新平	何超

备注: 承认盖章后请回复一份承认书(或复印件)给我司, 其余由贵公司存档。
REMARK: Please send us one (or copy) of this approval with stamp after accepting, other copies filed by the customer.

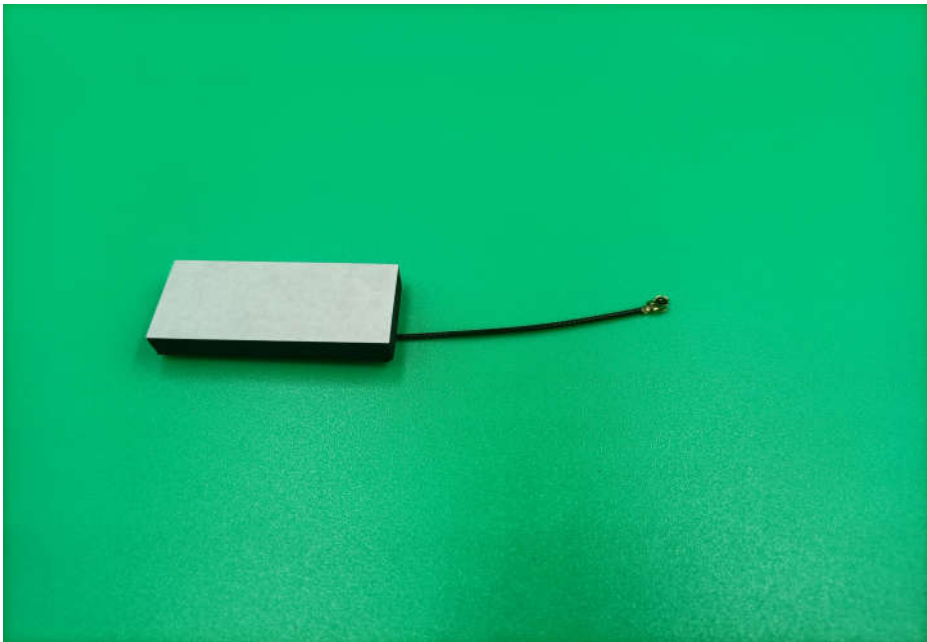
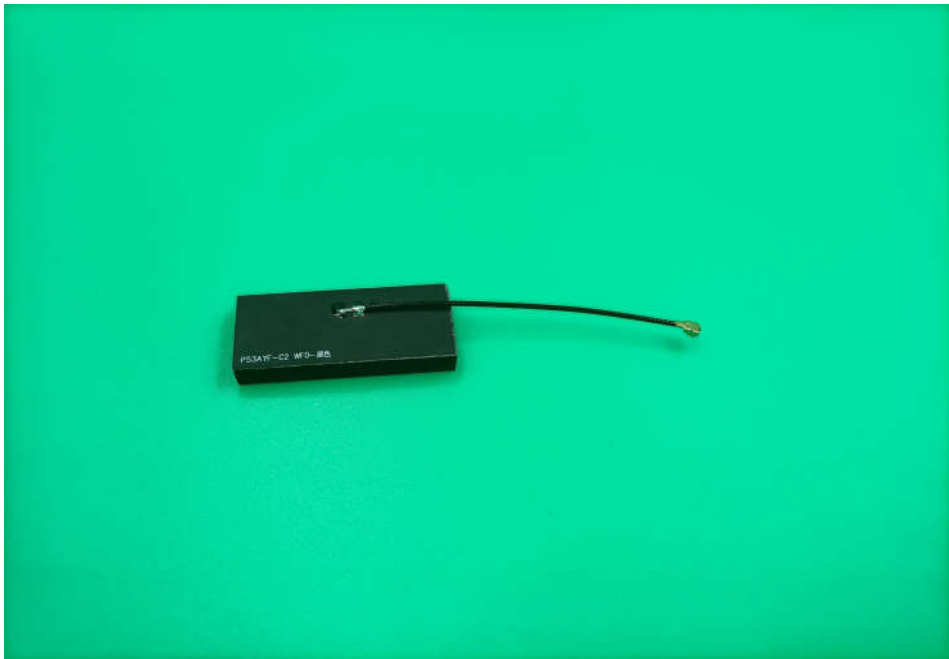
地址: 深圳市龙岗区龙西社区五联路25号6栋2楼
ADD: 2nd Floor, Building 6, No. 25, Wulian Road, Longxi Community, Longgang District, Shenzhen
邮编 Postal code:
电话 Tel: 075528715836

修订履历

REVISION HISTORY

[illegible]

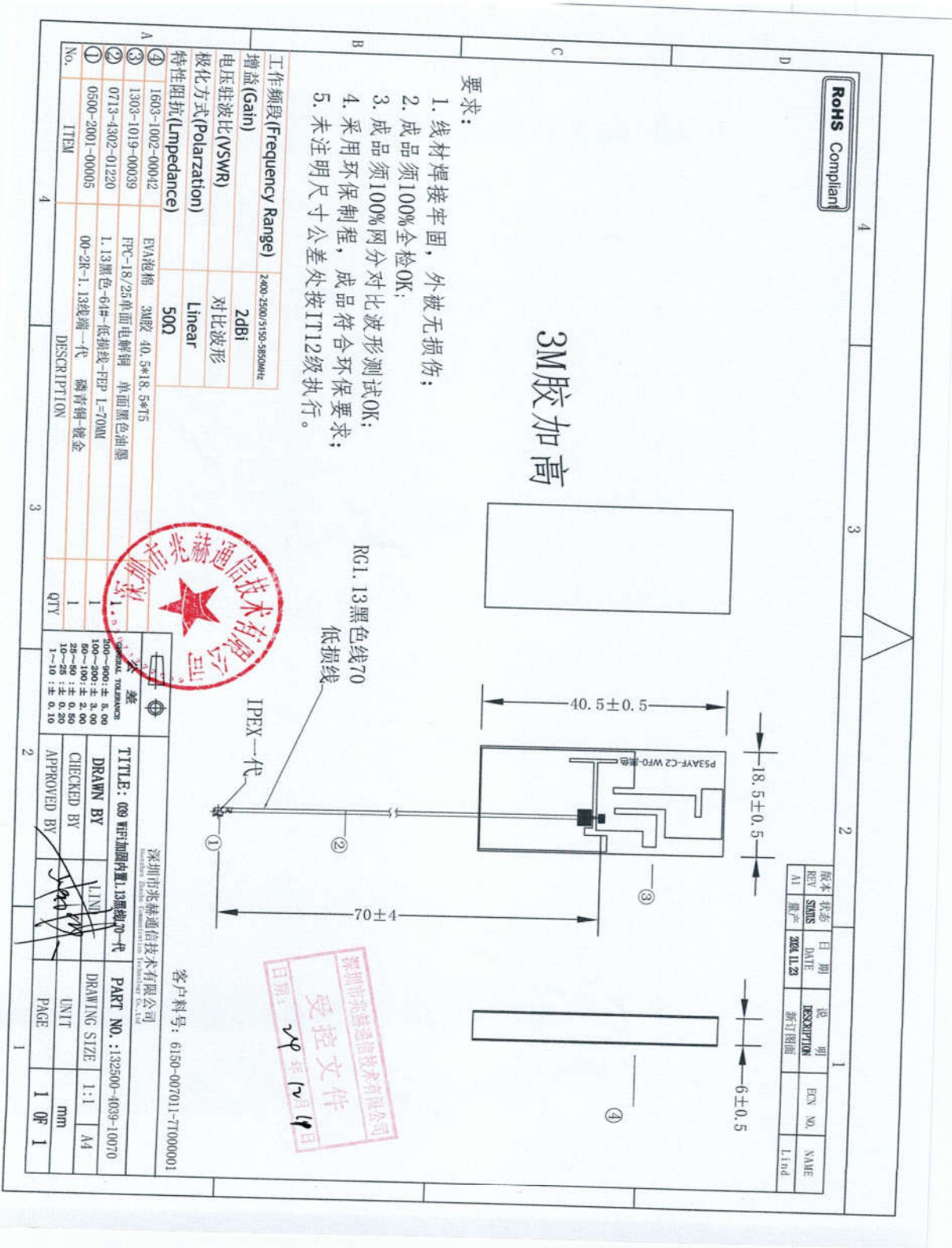
四：产品实物图Product drawings



五：Antenna Specification/天线技术参数

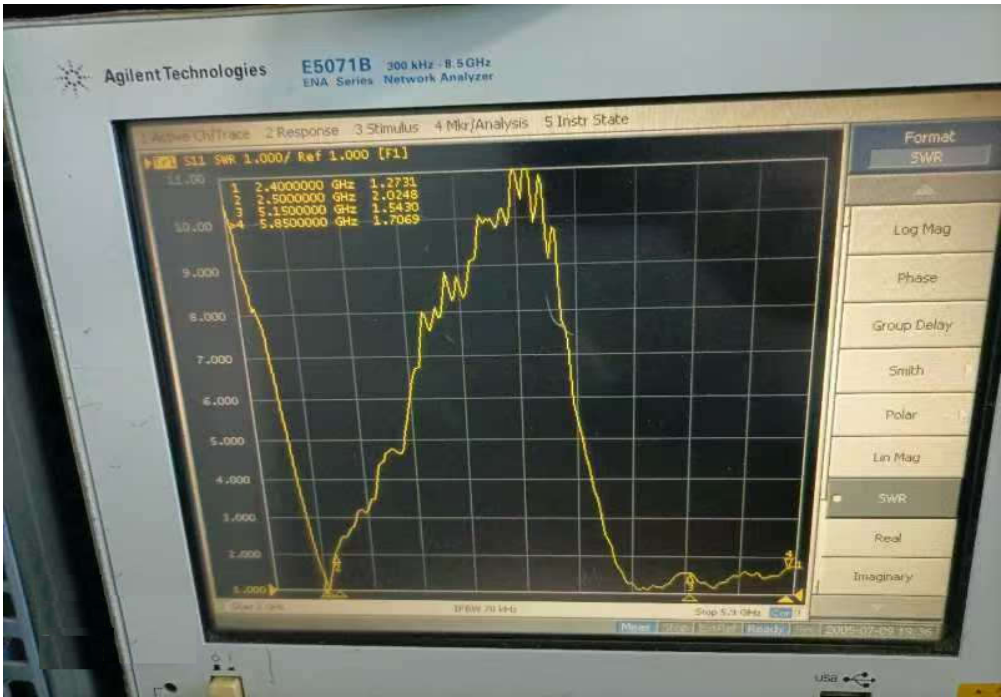
Electrical Specification/电气特性		
Item/目录	Specification/规格	Comment/备注
Freq. Range/频段范围	2400-2500/5150-5850MHz	
Impedance/阻抗	50Ω	
Directional/辐射方向	Omni Directional	
Polarization/极化形式	Vertical	
Peak Gain/峰值增益	2.4G:4.37dBi/5G:5.1dBi	
Test Condition/测试条件	Passive test	
Power Handling/承受功率	5W	
Mechanical Specification/机械指标		
Antenna Type/天线类型	FPC	
Mating Connector Type/连接器类型	IPEX1	
RF Cable Type/射频线型号	1.13	
Size/外形尺寸	36mm*12mm	
Mounting/固定类型	Adhesive tape	
Weight/重量	1.0g	±0.3
Pull Test/拉拔力	1kg MIN	
Salt Spray/盐雾测试	48H	
Environmental Specification/环境指标		
Operating temp/工作温度	-20℃~+80℃	
Storage temp/存储温度	-20℃~+80℃	

六.工程图 ENGINEERING DRAWING



七.测试图 test data

7.1

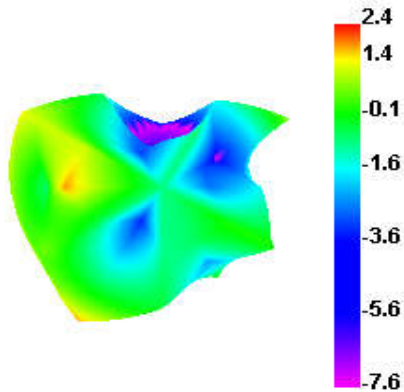


7.2 The test result of total efficiency and total gain/天线效率及增益测试结果

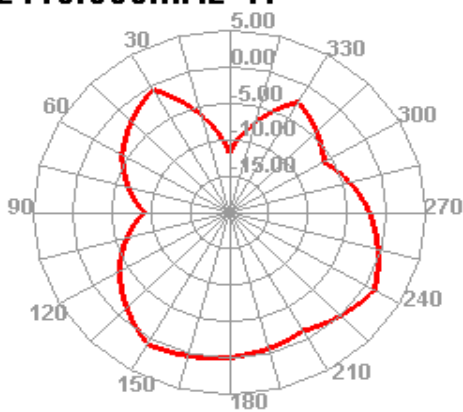
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	51.9	-2.85	2.22
2410	52.19	-2.82	2.41
2420	52.61	-2.79	2.72
2430	55.32	-2.57	3.21
2440	57.7	-2.39	3.48
2450	55.17	-2.58	3.36
2460	55.14	-2.59	3.6
2470	54.63	-2.63	3.77
2480	56.36	-2.49	4.04
2490	58.79	-2.31	4.31
2500	58.73	-2.31	4.37

6.3 The antenna radiation pattern/天线辐射方向图

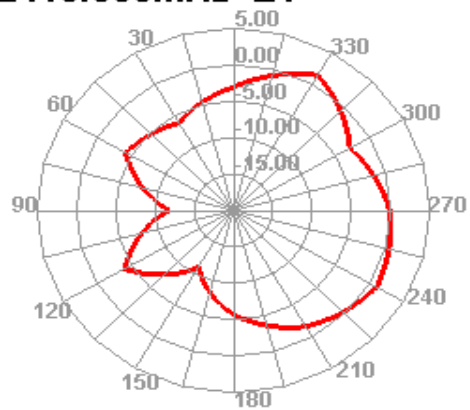
2410.000MHz



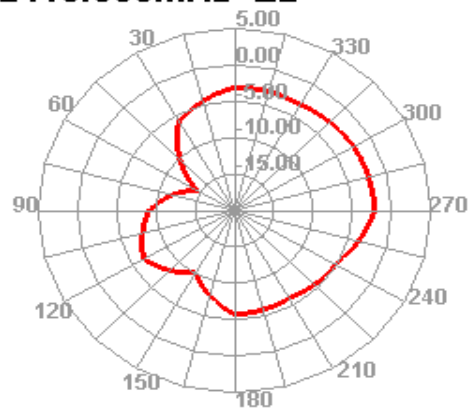
2410.000MHz H



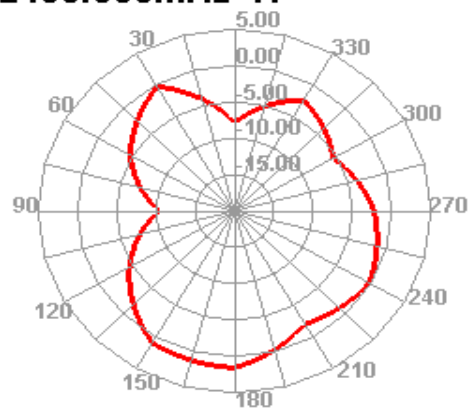
2410.000MHz E1



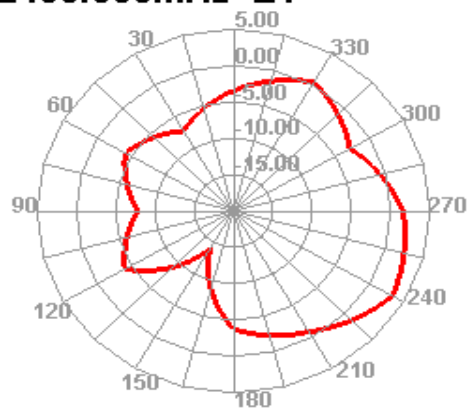
2410.000MHz E2



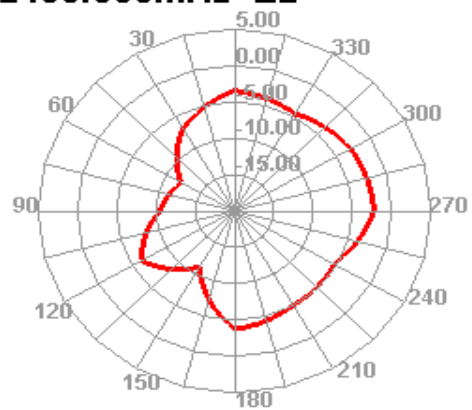
2450.000MHz H



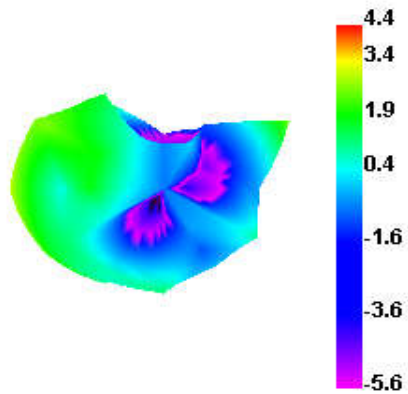
2450.000MHz E1



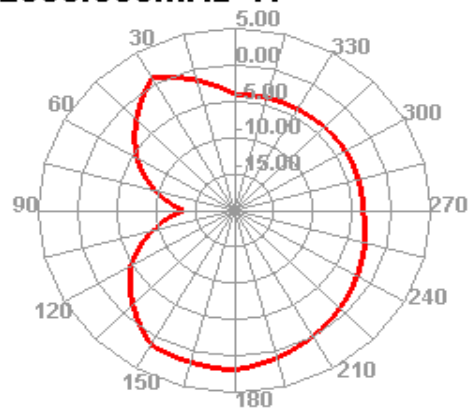
2450.000MHz E2



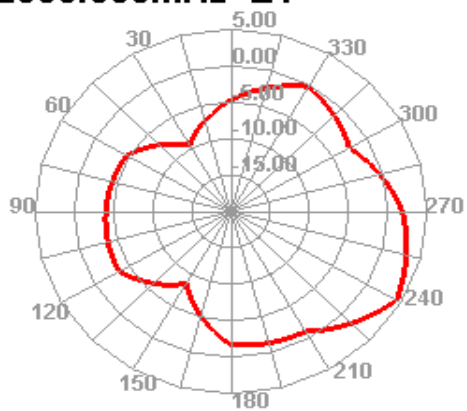
2500.000MHz



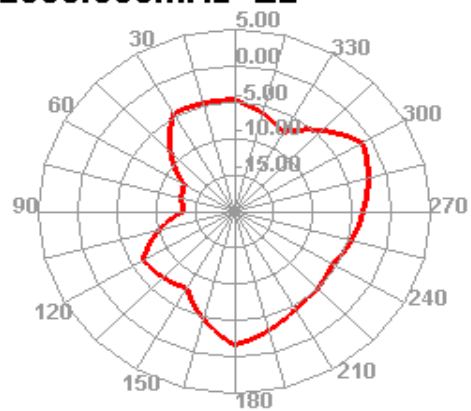
2500.000MHz H



2500.000MHz E1



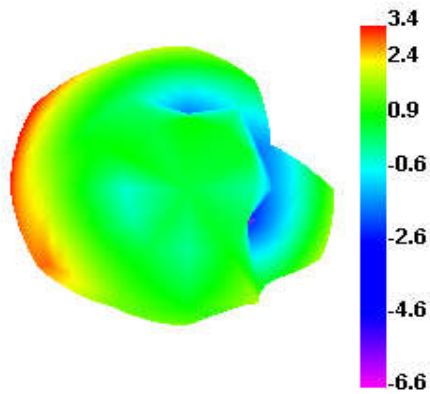
2500.000MHz E2



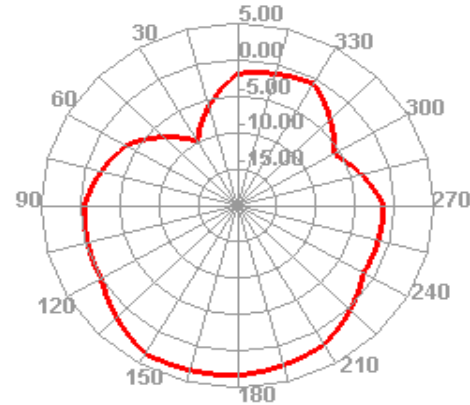
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	52.05	-2.84	3.44
5175	52.81	-2.77	3.64
5200	53.88	-2.69	3.94
5225	57.06	-2.44	4.22
5250	54.37	-2.65	3.96
5275	55.6	-2.55	4.14
5300	54.81	-2.61	4.3
5325	53.96	-2.68	4.34
5350	57.12	-2.43	4.66
5375	60.46	-2.19	4.76
5400	61.14	-2.14	4.57
5425	58.43	-2.33	4.11
5450	59.25	-2.27	3.63
5475	58.25	-2.35	3.45
5500	56.78	-2.46	3.37
5525	58.14	-2.35	3.84
5550	58.97	-2.29	4.27
5575	56.02	-2.52	4.5
5600	57.48	-2.4	4.81
5625	57	-2.44	4.86
5650	57.99	-2.37	5.02
5675	59.38	-2.26	5.1

5700	56.05	-2.51	4.79
5725	56.41	-2.49	4.83
5750	53.55	-2.71	4.47
5775	47.79	-3.21	4.03
5800	49.4	-3.06	4.04
5825	48.74	-3.12	3.94
5850	45.35	-3.43	3.71

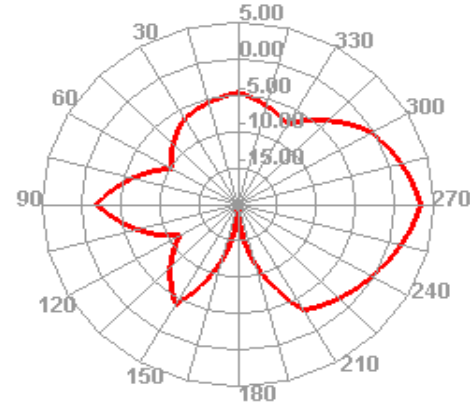
5150.000MHz



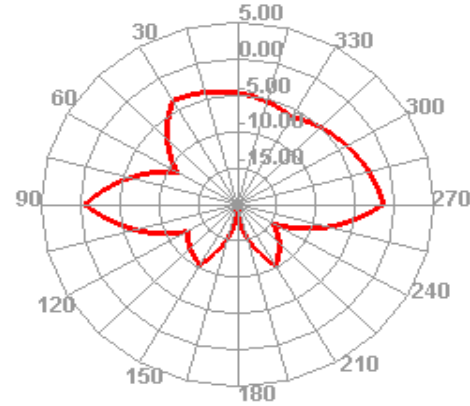
5150.000MHz H



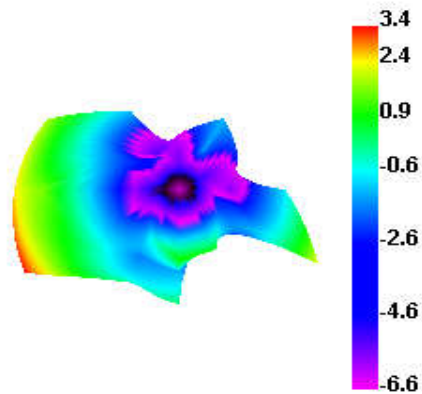
5150.000MHz E1



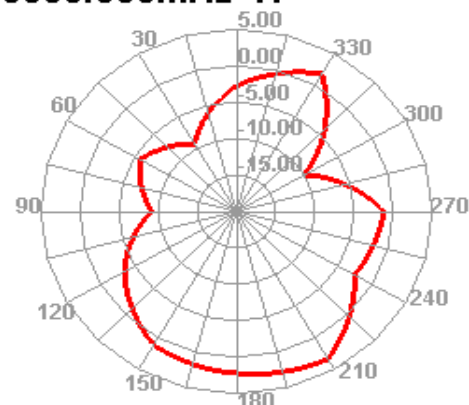
5150.000MHz E2



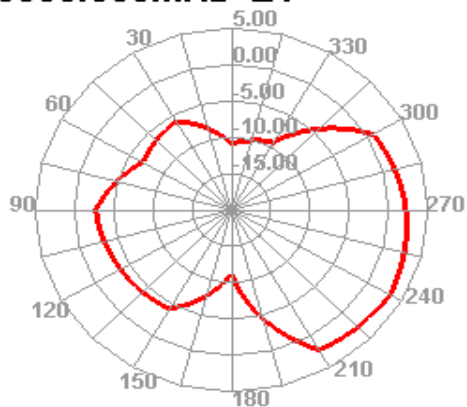
5500.000MHz



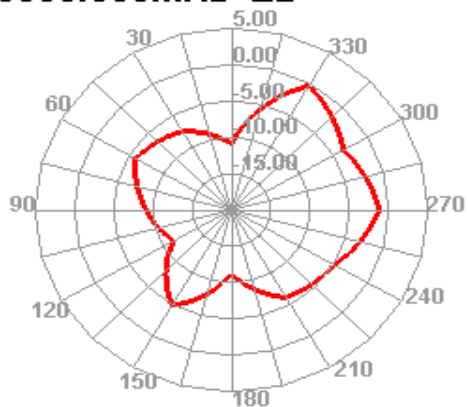
5500.000MHz H



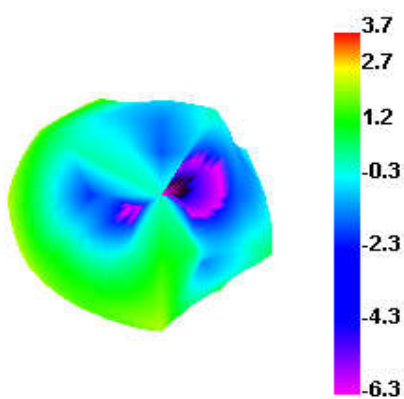
5500.000MHz E1



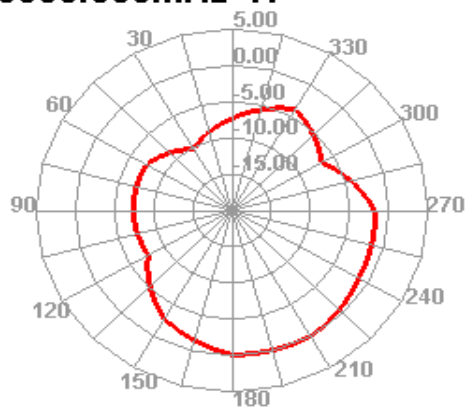
5500.000MHz E2



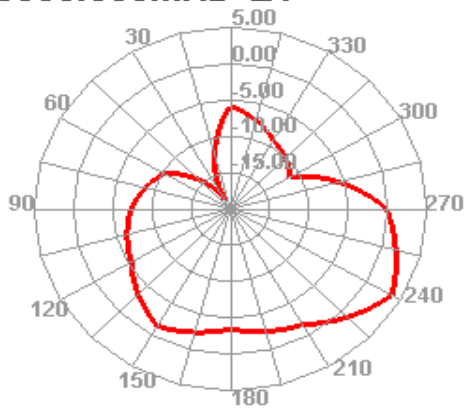
5850.000MHz



5850.000MHz H



5850.000MHz E1



5850.000MHz E2

