



1. SCOPE:

This specification covers FEP insulated High-Frequency coaxial cable for internal wiring of electronic equipment.

[UL STYLE 1354 80°C/30V]

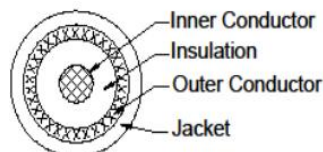
add : Room 306, Building B1, Meilian Garden, Caitian Road, Futian District, Shenzhen

2. Construction:

Item		Unit	Spec. Value
Inner Conductor	Material	---	Silver plated copper
	Construction	No. /mm	7/0.08
	Dia. (approx)	mm	0.24
Insulation	Material	---	FEP
	Nom. Thickness	mm	0.22
	Dia. (approx)	mm	0.68±0.05
	Color	---	Natural
Outer Conductor	Type	---	Braid
	Material	---	Silver plated copper
	Coverage	%	>93
	Dia. (approx)	mm	0.93
Jacket	Material	---	FEP
	Nom. Thickness	mm	0.1
	Color	---	Black
	Dia. (approx)	mm	1.13+0.10/-0.06

3. Characteristics:

Test Item	Unit	Specified Value	Note
Appearance	-	Faultless in visible	-
Temperature rating	°C	150	-
Voitage rating	\	250	-
Inner conductor resistance(at20°C)	Ω /km	Max. 597	At 20°C
Insulation resistance 1>(at 20°C)	MΩ -km	Min. 1500	At 20°C
Dielectric strength	-	Dielectric core:NO breakdown at	Spark test
		Jacket:ON breatkdown at AC1.5KV for 1.15sec.	Spark test
	-	NO breakdown at AC 500V for 1min	Outer conductor to inner conductor
Capacitance	pF/m	Nom. 98	At 1KHz
Charactristic impedance(at D-TDR)	Ω	50±2	TDR method
Attenuation	dB/m	2	1.0GHz
		2.9	2.0GHz
		3.6	3.0GHz
		4.2	4.0GHz
		4.7	5.0GHz
		5.2	6.0GHz

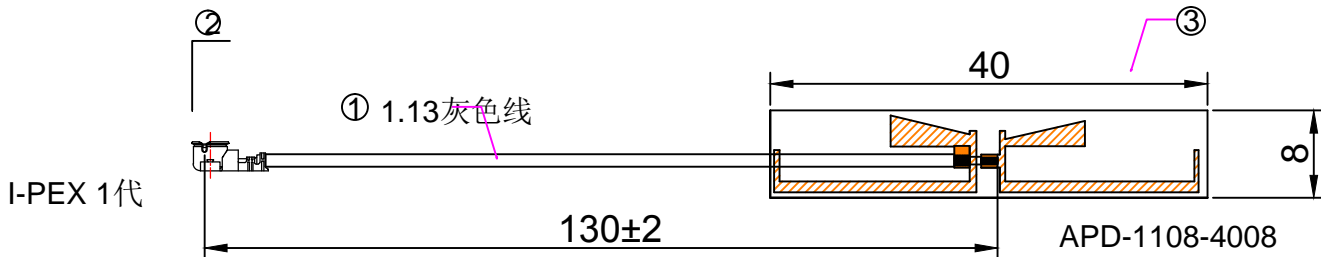


Cross-section of cable

RoHS Compliant

DWG-00000000

REV	DESCRIPTION	DATE	APPROVED



要求:

1. 线材外被无破皮. 损伤
2. 成品须100%测试导通OK
3. 成品须100%全检OK.
4. 采用环保制程. 符合ROHS要求.
5. 端子拉力: 1.5KG~.
6. 未注公差请以一般公差为准.

IPEX参数:

特性阻抗: 50 OHM
 频率范围: DC~6 GHz
 电压驻波比: 1.10+0.025 max
 绝缘电阻: 5000毫欧 min
 外导体之间: 20
 内导体之间: 10
 耐压: AC 200V
 工作电压: 60V max
 耐用性: 5 cycles min
 温度范围: -40~+90° C

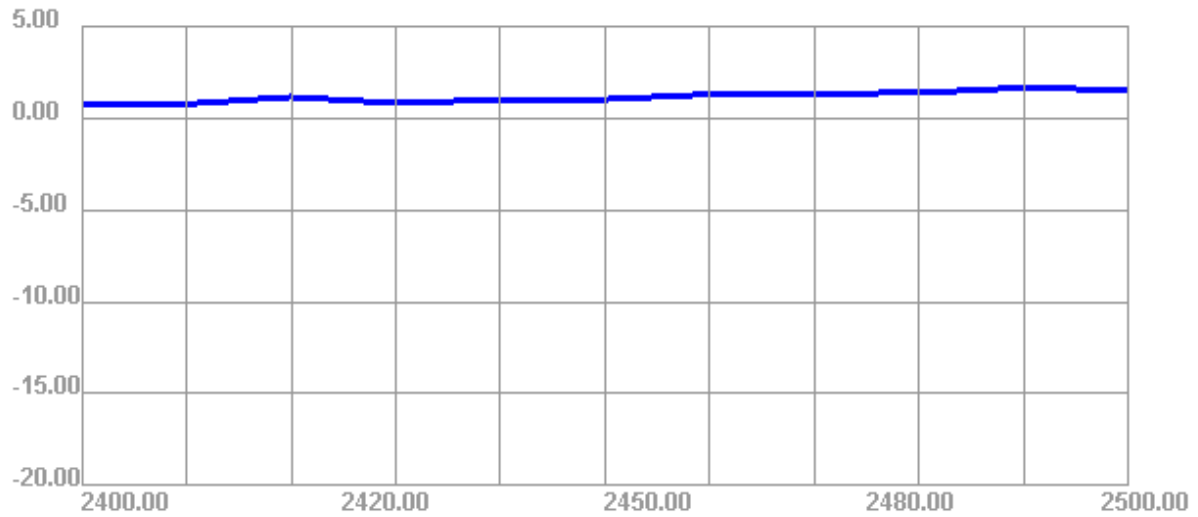
频率范围(Frequency range)	2.4G
增益(Gain)	2dBi
电压驻波比(VSWR)	<2.0: 1
极化(Polarization)	Linear.Vertical
最大功率(Maximum power)	50W
特性阻抗(Impedance)	50 OHM

3	FPC	L40MM*8 FPC	1	1601-0196
2	IPEX	IPEX-第一代线端	1	1113-0001-1
1	线材	RG1.13-48-锡-FEP	1	1301-0006
No.	Name	Description	Q'ty	Part No.

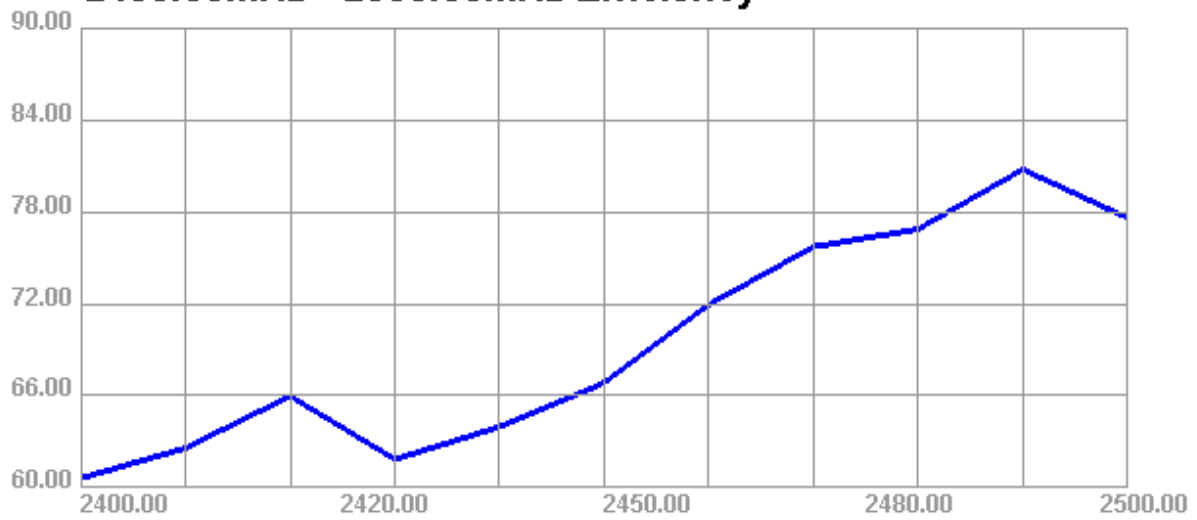
 一般公差(GENERAL TOLERANCES) 尺寸(Dimension) 角度(Angles) 0~1 ±0.1 X° ±1° 1~10 ±0.3 X.X° ±0.5° 10~30 ±0.8 30~100 ±1 100~300 ±2 (UNLESS OTHERWISE SPECIFIED)	版本(REV) A0	图形名称(Draw Name) 组立图		客户料号(CUS No.)
	比例(Scale) 1:1	产品名称(Product Name) IPEX-113线-2.4GFPC天线-L130MM		产品料号(Product No.) 3010-0562
	绘图(Draw Name) 陈湘柳	单位(UNIT) mm	幅面(Size) A4	页/次(Sheet) 1/1
	审核(Checked)	首版日期 (Original Date) 2022-11-24		
	核准(APPROVED)	深圳市爱沛德电子有限公司 SHENZHEN IPD ELECTRONIC CO.,LTD		

Passive Test For 2400										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
2400	50.62	-2.17	0.69	-1.46	30.896	29.723	0.69	-16.74	46.87	46.67
2410	52.59	-2.03	0.77	-1.38	31.843	30.747	0.77	-16.35	46.85	46.74
2420	55.98	-1.81	1.14	-1.01	33.907	32.075	1.14	-16.18	46.98	46.85
2430	51.86	-2.09	0.81	-1.34	31.729	30.134	0.81	-16.64	47.05	46.99
2440	53.97	-1.94	1	-1.15	33.014	30.952	1	-16.3	47.31	47.29
2450	56.85	-1.75	1.02	-1.13	34.403	32.446	1.02	-15.22	47.72	47.63
2460	56.96	-1.43	1.29	-0.86	36.974	34.985	1.29	-14.02	47.76	47.66
2470	58.73	-1.21	1.34	-0.81	38.62	37.105	1.34	-12.96	47.73	47.52
2480	56.88	-1.14	1.37	-0.78	38.737	38.14	1.37	-12.37	47.76	47.52
2490	57.78	-0.93	1.66	-0.49	40.801	39.976	1.66	-12.02	47.89	47.63
2500	55.63	-1.1	1.51	-0.64	39.282	38.348	1.51	-12.04	47.75	47.52
							Application Information			
							O4Version		4.95.303	
							TotalTime		3m 12s 530ms	
							AdditionalInfor		NULL	

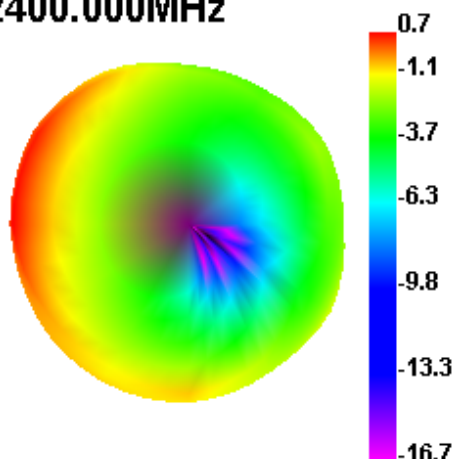
2400.00MHz - 2500.00MHz Gain



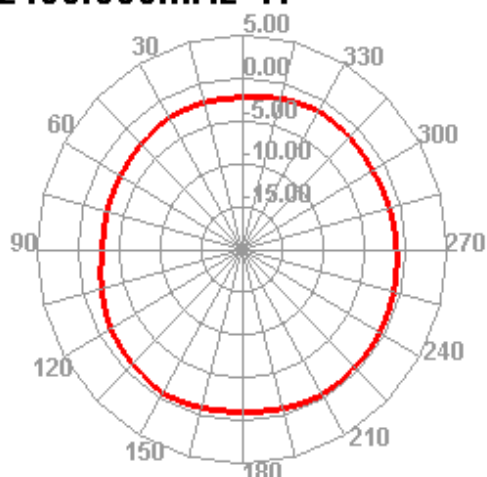
2400.00MHz - 2500.00MHz Efficiency



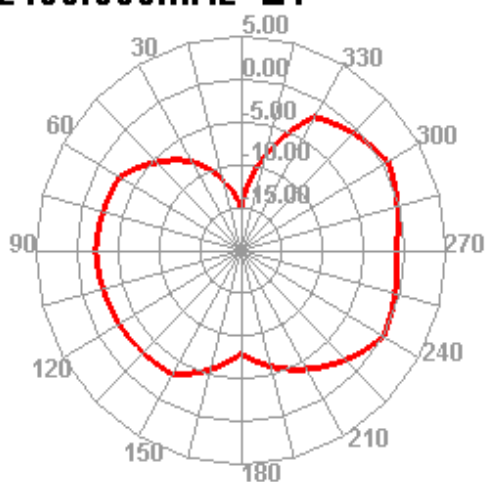
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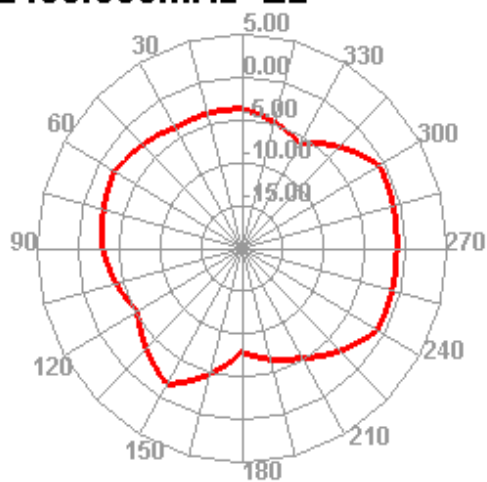
2400.000MHz H



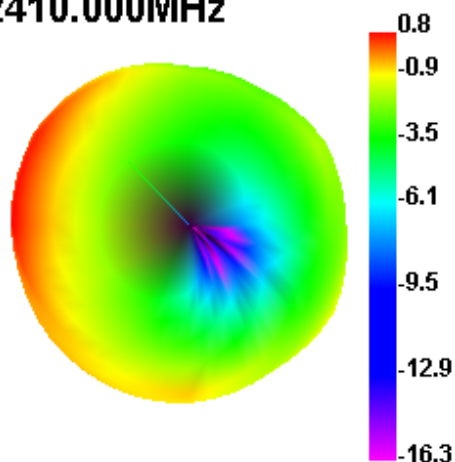
2400.000MHz E1



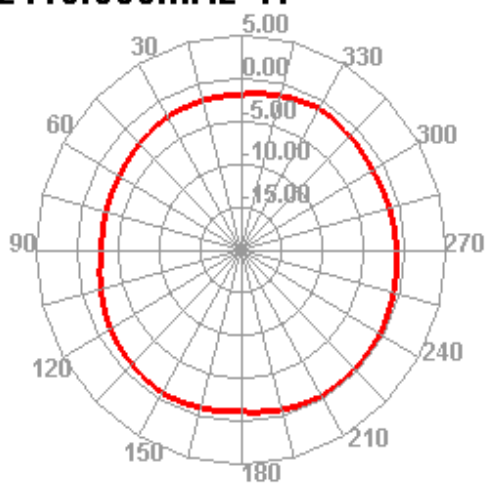
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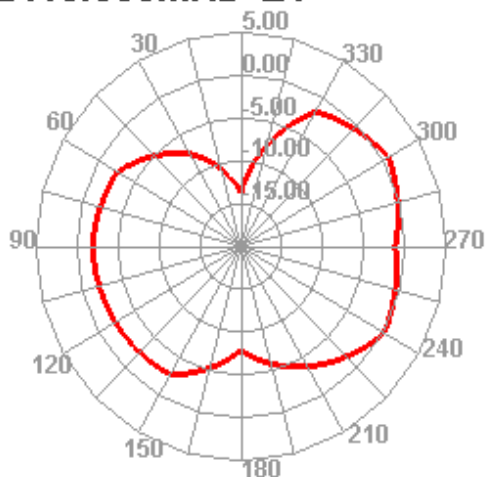
2410.000MHz



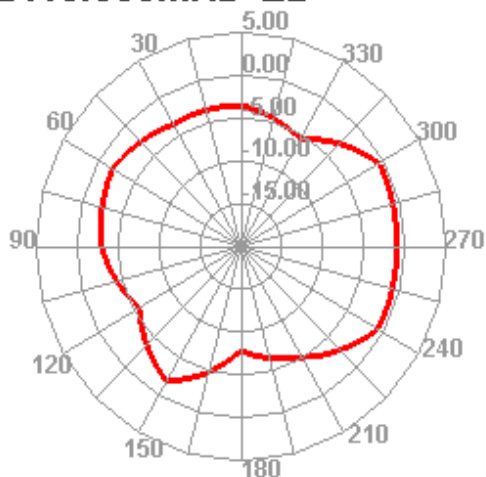
2410.000MHz H



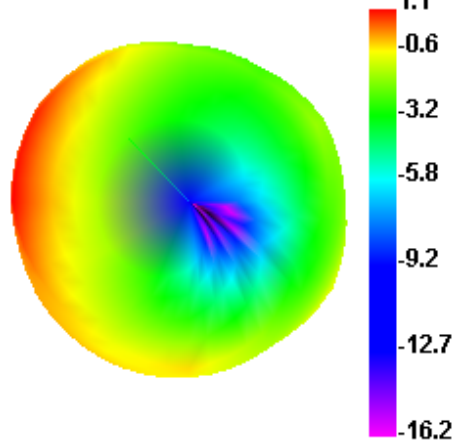
2410.000MHz E1



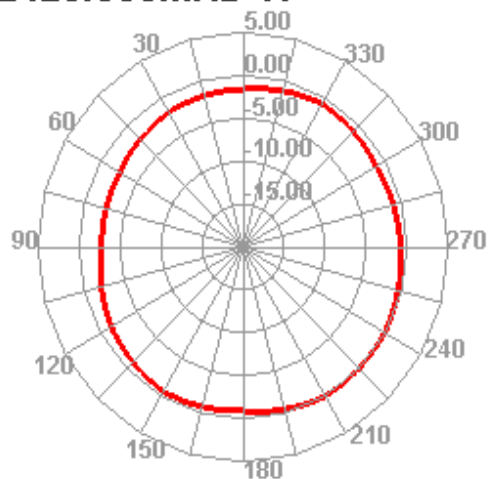
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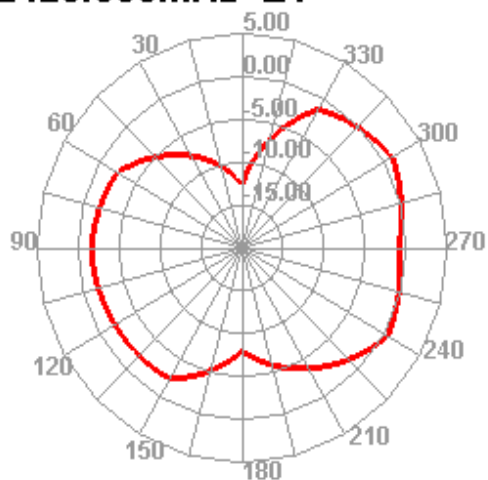
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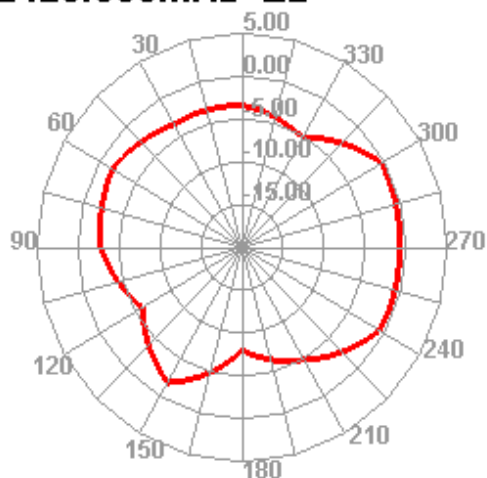
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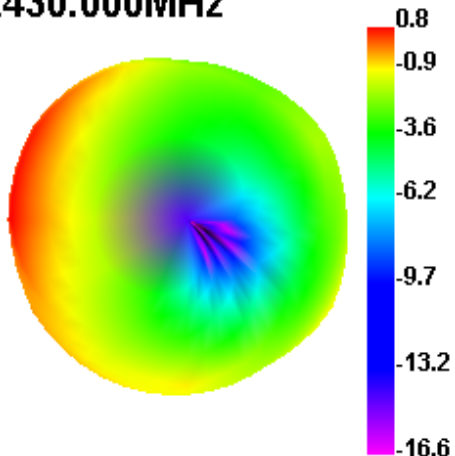
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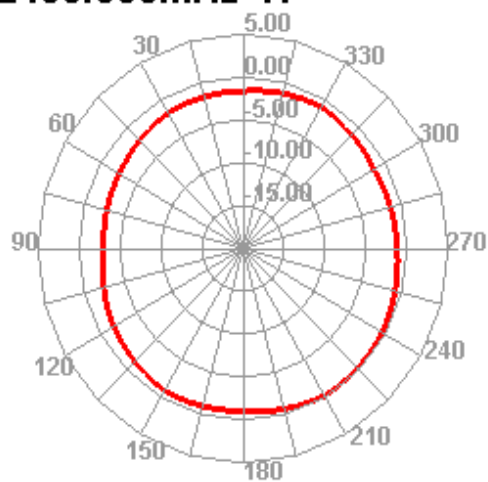
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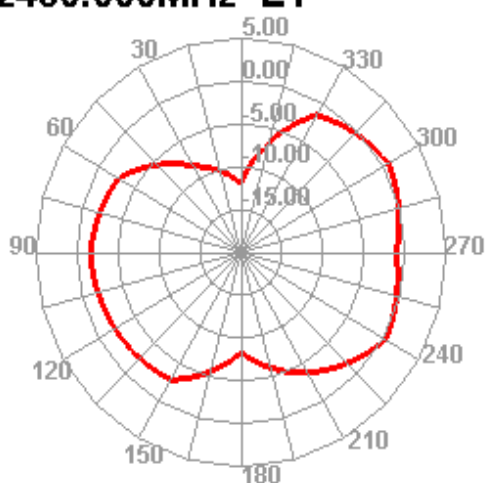
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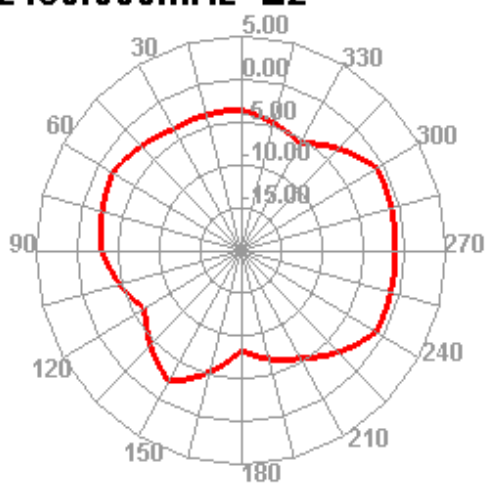
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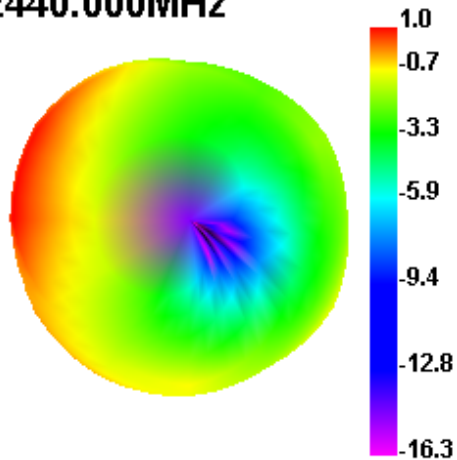
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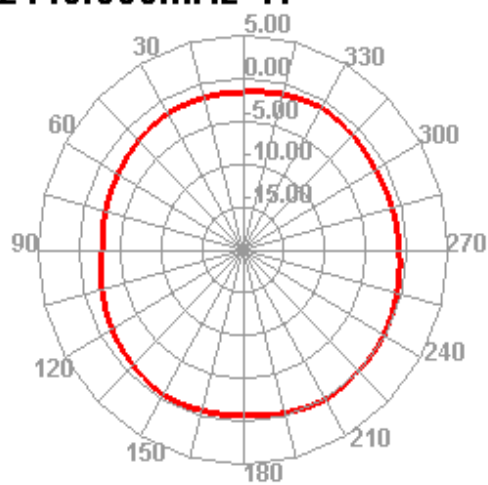
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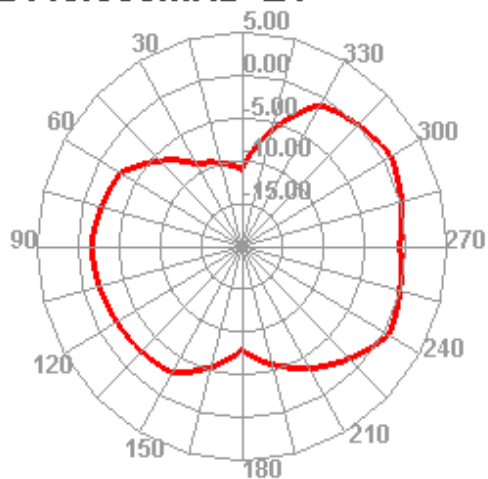
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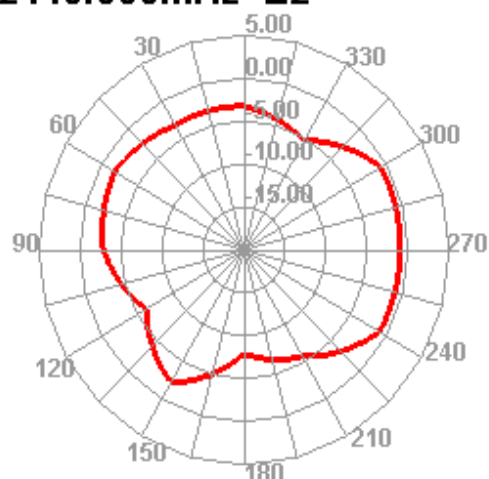
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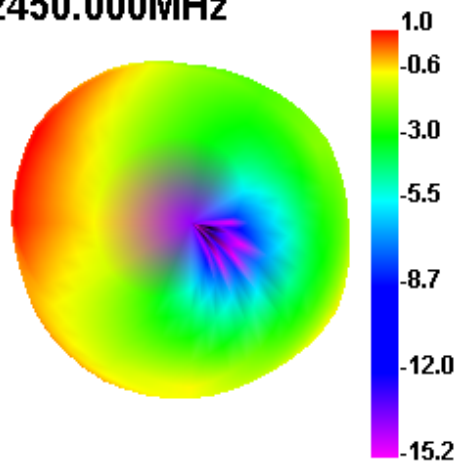
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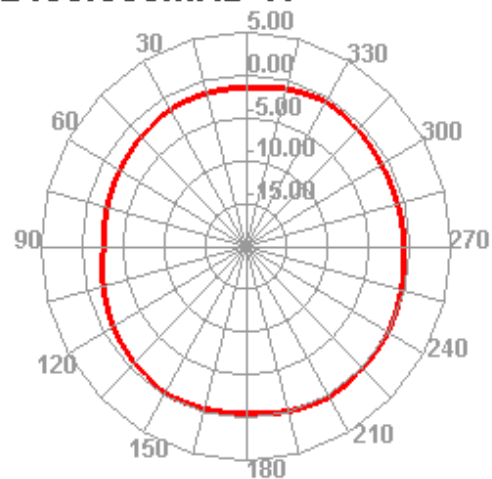
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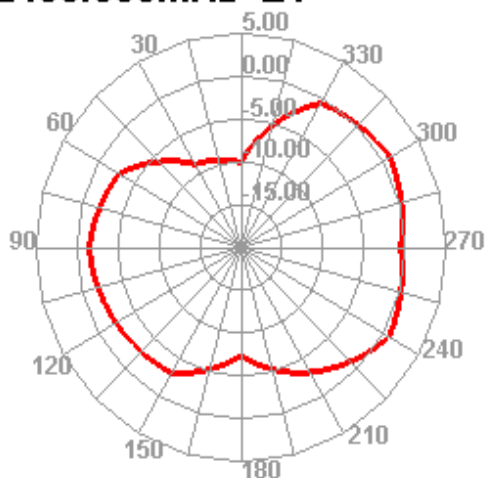
2450.000MHz



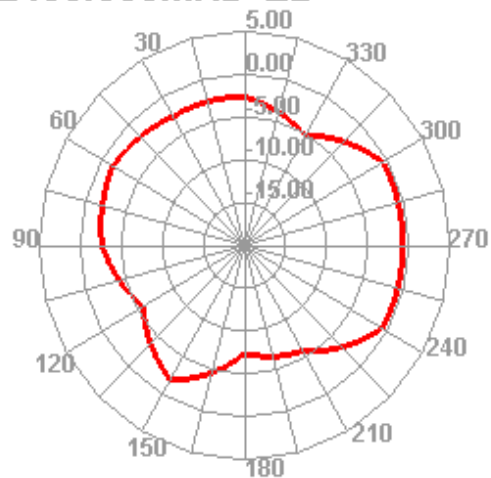
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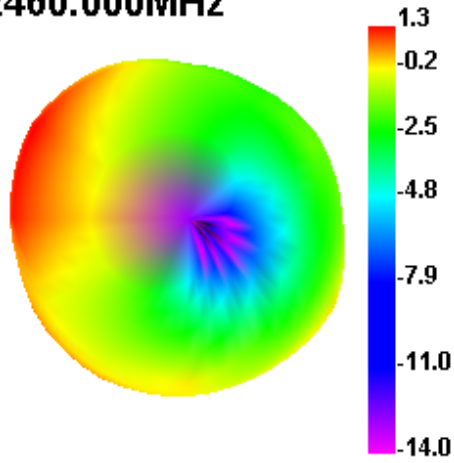
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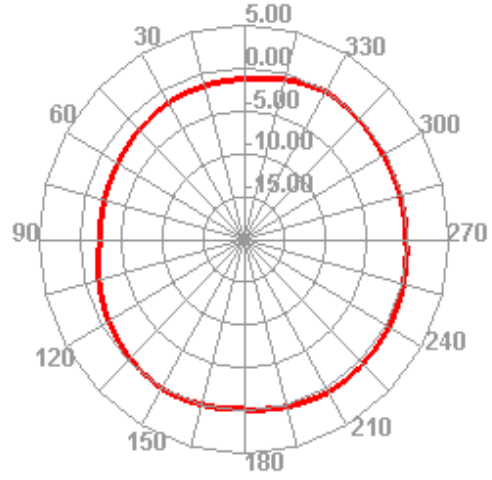
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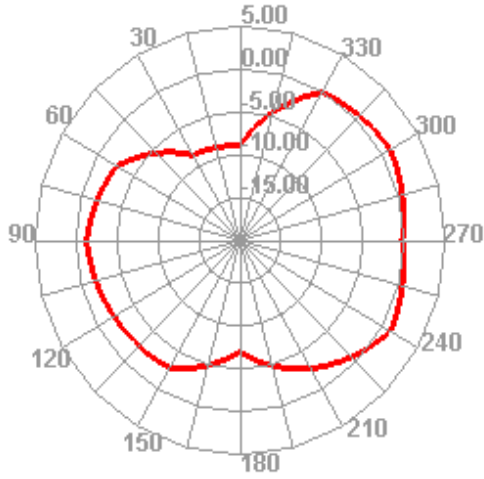
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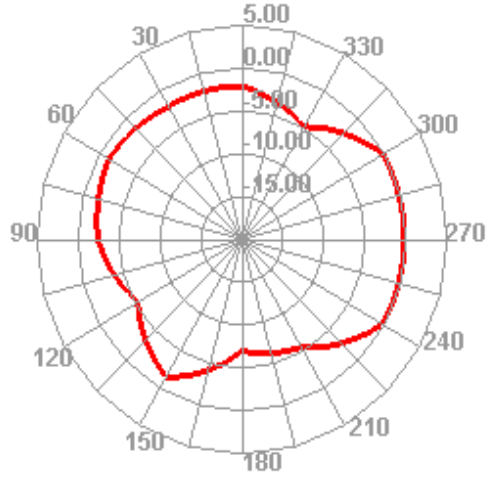
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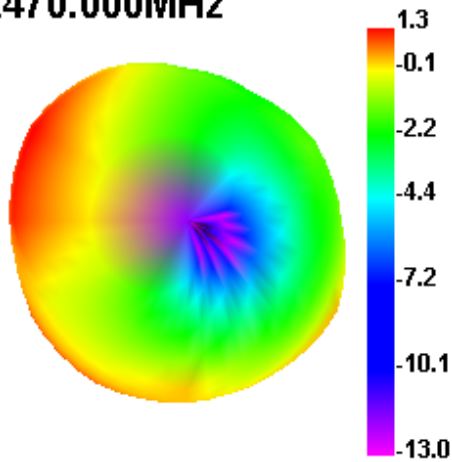
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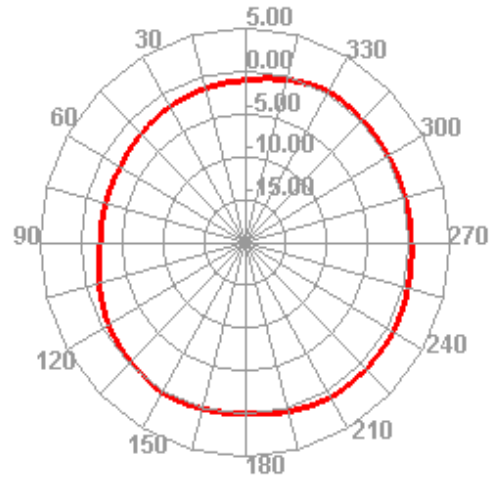
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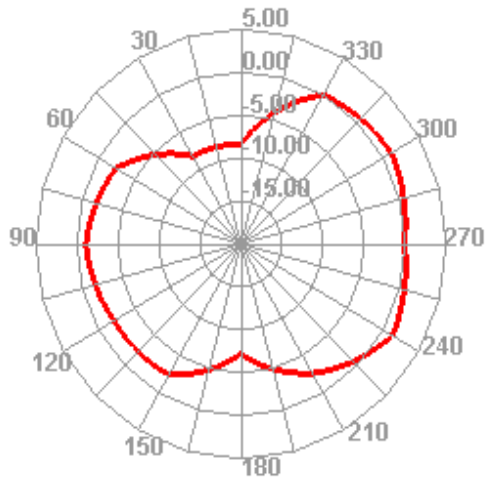
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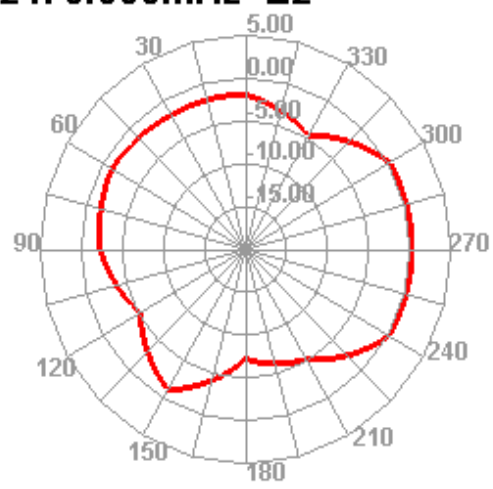
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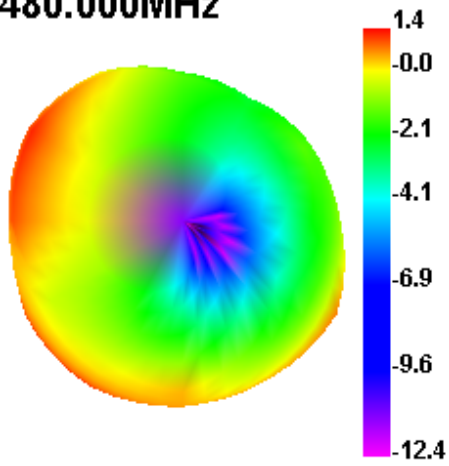
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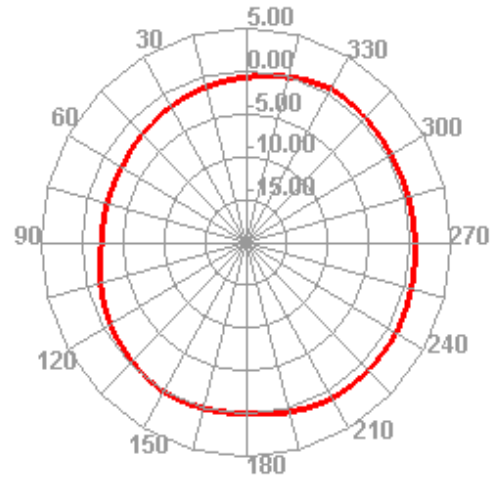
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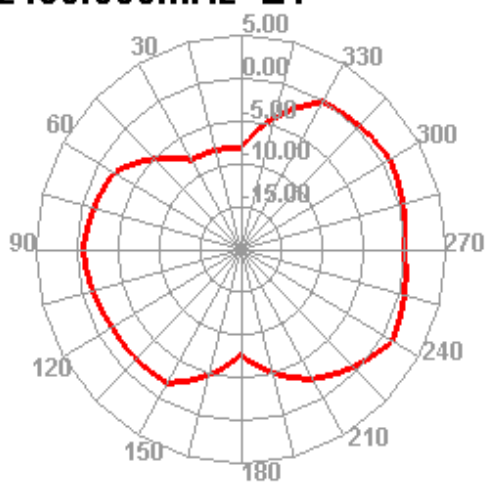
2480.000MHz



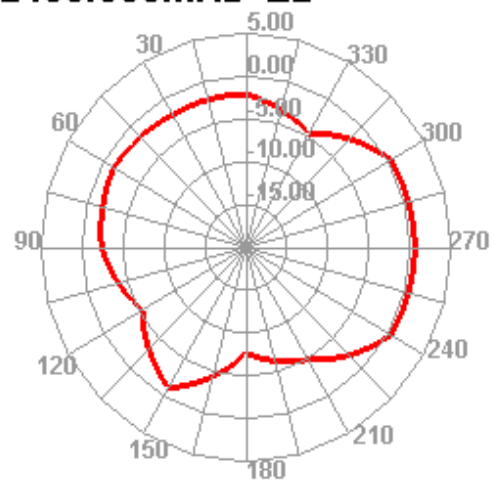
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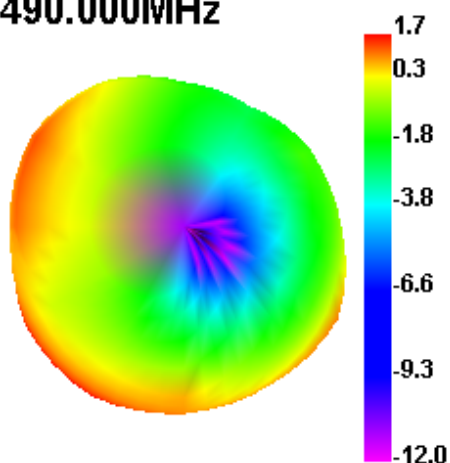
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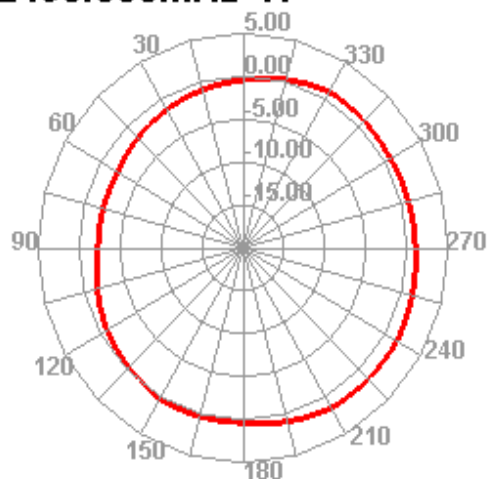
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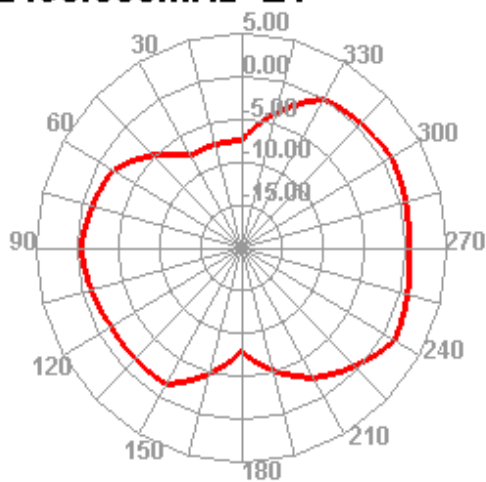
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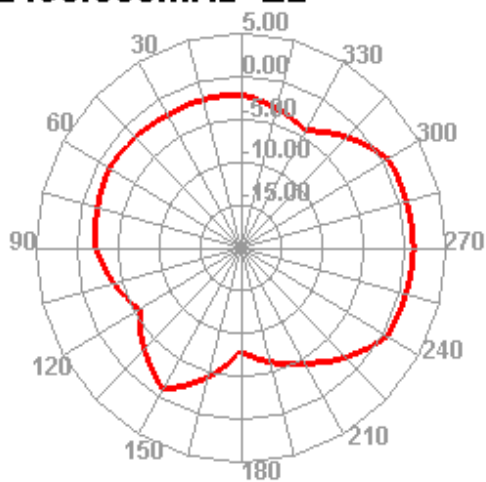
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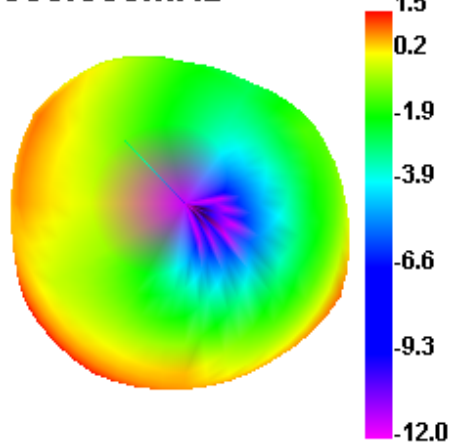
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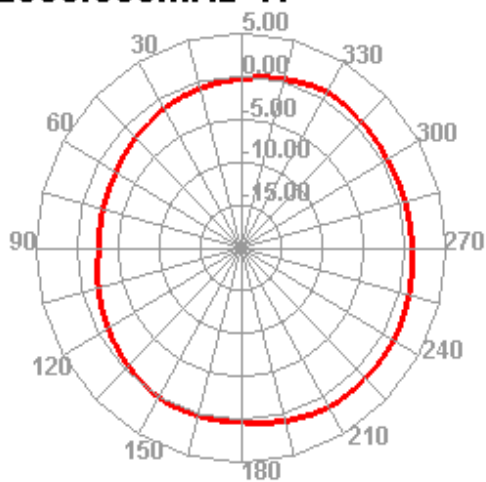
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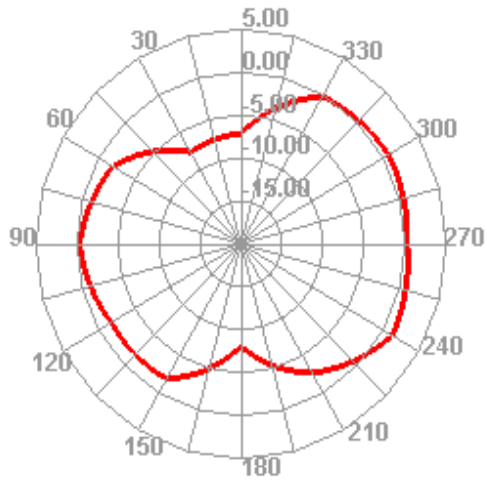
2500.000MHz



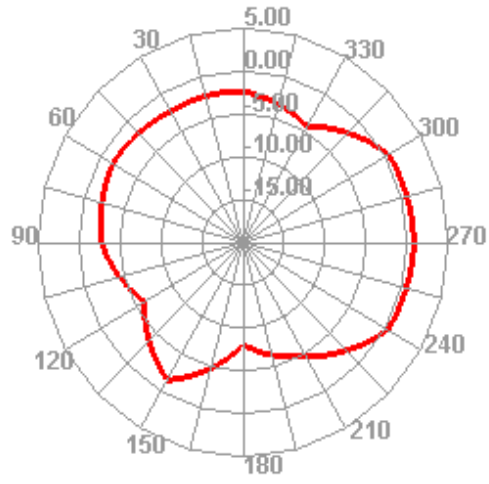
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



物料承认书

文件编号:		版本/版次:		发行日期:		
供应商名称: 东莞市爱沛德实业有限公司		物料编码: 3010-0562		送样日期: 2022-11-25		
物料名称: 2.4G FPC天线		项目名称:		厂商料号:		
规格型号: I-PEX-1.13灰色-2.4GFPC天线-L130MM		材质:		颜色:		
物料类别	<input type="checkbox"/> 结构类 <input type="checkbox"/> 电子类 <input type="checkbox"/> 包材类 <input type="checkbox"/> 配件类 <input type="checkbox"/> 其它 <input type="checkbox"/> 五金 <input type="checkbox"/> 塑胶 <input type="checkbox"/> PCB <input type="checkbox"/> 电子元件 <input type="checkbox"/> 线材 <input type="checkbox"/> 其它					
认可类型	<input type="checkbox"/> 新模具 <input type="checkbox"/> 新供应商 <input type="checkbox"/> 模具修正 <input type="checkbox"/> 工程变更 <input type="checkbox"/> 新器件 <input type="checkbox"/> 其它					
物料确认	外观结构部分					
	MD: <input type="checkbox"/> 认可 <input type="checkbox"/> 不认可 <input type="checkbox"/> 其它			ID: <input type="checkbox"/> 认可 <input type="checkbox"/> 不认可 <input type="checkbox"/> 其它		
	附件报告: <input checked="" type="checkbox"/> 物料规格书 <input checked="" type="checkbox"/> 工程图纸					
	厂商签署栏			彼得签署栏		
	承办者	审核	核准	承办者	审核	核准
	廖小丽	徐小萱	江建国			
	电子部分					
	电性能: <input type="checkbox"/> 认可 <input type="checkbox"/> 不认可 <input type="checkbox"/> 其它			外观检查: <input type="checkbox"/> 认可 <input type="checkbox"/> 不认可 <input type="checkbox"/> 其它		
	功能测试: <input type="checkbox"/> 认可 <input type="checkbox"/> 不认可 <input type="checkbox"/> 其它			试产结果: <input type="checkbox"/> 合格 <input type="checkbox"/> 不合格		
	附件报告: <input checked="" type="checkbox"/> 电性能测试报告 <input checked="" type="checkbox"/> 可靠性测试报告					
	厂商签署栏			彼得签署栏		
	承办者	审核	核准	承办者	审核	核准
	廖小丽	徐小萱	江建国			
	品质部分					
	可靠性: <input type="checkbox"/> 认可 <input type="checkbox"/> 不认可 <input type="checkbox"/> 其它			环保: <input type="checkbox"/> 认可 <input type="checkbox"/> 不认可 <input type="checkbox"/> 其它		
	外观: <input type="checkbox"/> 认可 <input type="checkbox"/> 不认可 <input type="checkbox"/> 其它			文件: <input type="checkbox"/> 认可 <input type="checkbox"/> 不认可 <input type="checkbox"/> 其它		
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厂商签署栏			彼得签署栏			
承办者	审核	核准	承办者	审核	核准	
廖小丽	徐小萱	江建国				
说明	1、此承认书一式三份, 分发IQC、采购部、研发部 2、检验的项目必须附上相应的测试数据和可靠性报告 3、填充颜色的为彼得签署栏, 其余的是供应商签署栏 4、黑色方框注明的相关报告, 供应商在送样品时必须附上 5、编号: CY+年份后两位+月份+日期+2位流水号, 由彼得文控中心编号和分发。				备注:	