



1. SCOPE:

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

[UL STYLE 1354 80°C/30V]

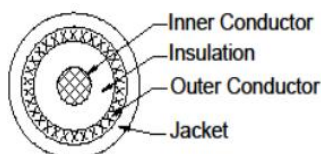
add : Room 306, Building B1, Meilian Garden, Caitian Road, Futian District, Shenzhen

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 (at 20°C)	Ω /km	Max. 597	At 20°C
Insulation resistance $1>$ (at 20°C)	M Ω -km	Min. 1500	At 20°C
Dielectric strength	-	Dielectric core: NO breakdown at	Spark test
		Jacket: ON breakkdown 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

DWG-000000000

REV	DESCRIPTION	DATE	APPROVED



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.

特性抗阻：50 OHM
频率范围：DC~6 GHZ
电压驻波比：1.10+0.025 max
绝缘电阻：5000兆欧 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

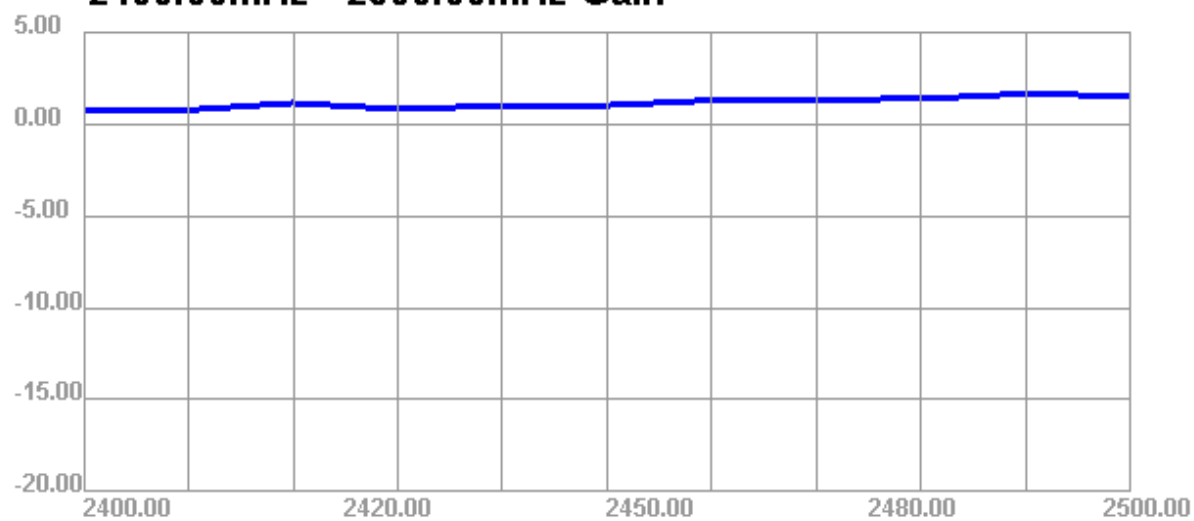
频率范围(Frequency range)	2.4G
增益(Gain)	2dBi
电压驻波比(VSWR)	<2.0: 1
极化(Polarization)	Linear.Vertical
最大功率(Maximum power)	50W
特性阻抗(Impedance)	50 OHM

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.

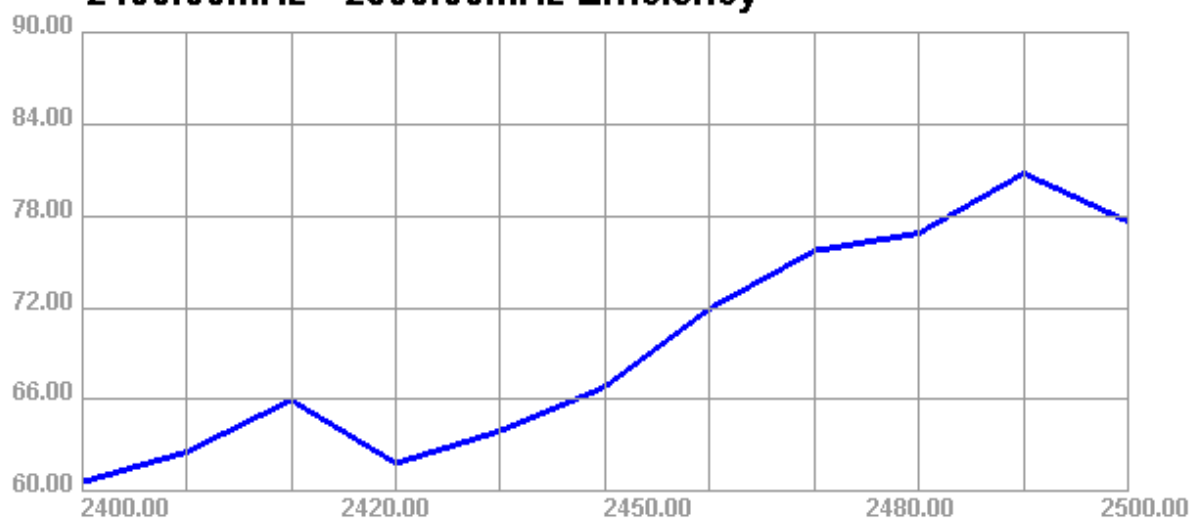
		版本 (REV) A0		图形名称 (Draw Name) 组立图		客户料号 (CUS No.)	
		比例 (Scale) 1:1		产品名称 (Product Name) IPEX-113线-2.4GFPC天线-L130MM		产品料号 (Product No.) 3010-0562	
一般公差 (GENERAL TOLERANCES)							
尺寸 (Dimension)		角度 (Angles)		绘图 (Draw Name)		单位 (UNIT)	
0 ⁻¹ ±0.1		X° ±1°		陈湘柳		幅面 (Size)	
1 ⁻¹⁰ ±0.3		X.X° ±0.5°				页/次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

[illegible]

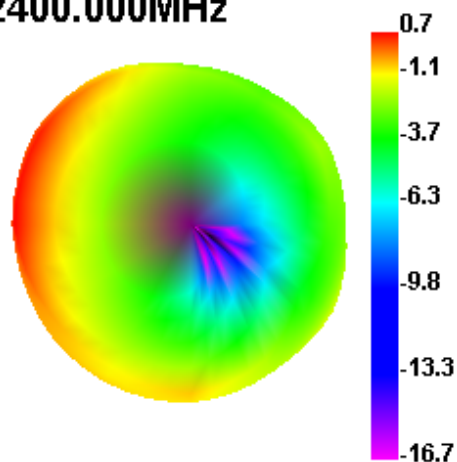
2400.00MHz - 2500.00MHz Gain



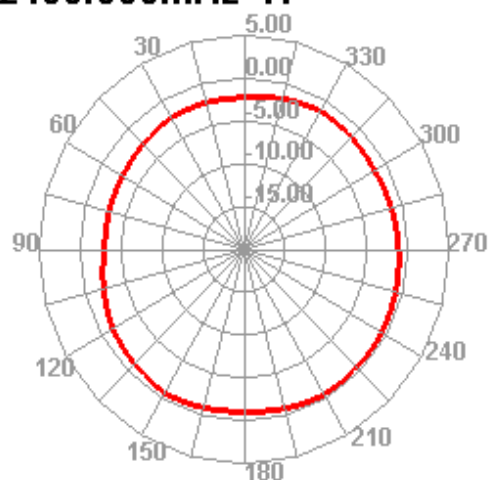
2400.00MHz - 2500.00MHz Efficiency



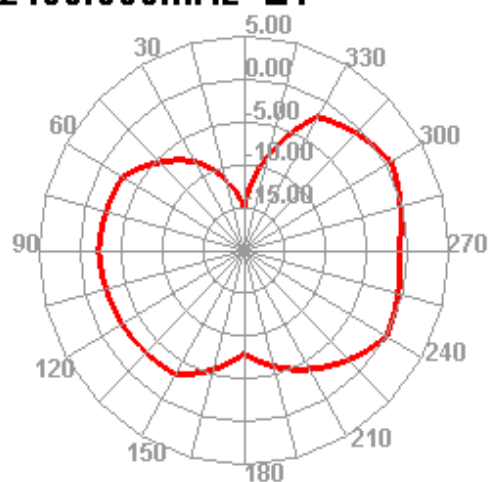
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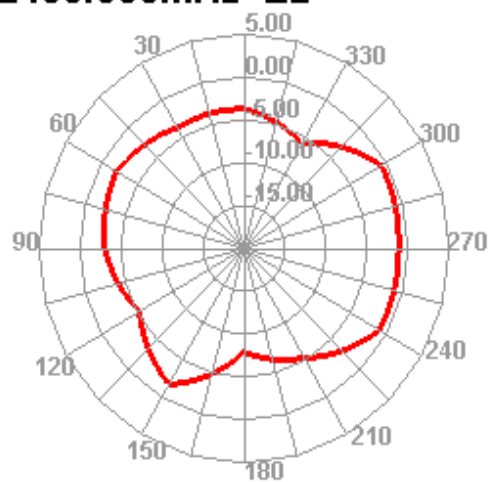
2400.000MHz H



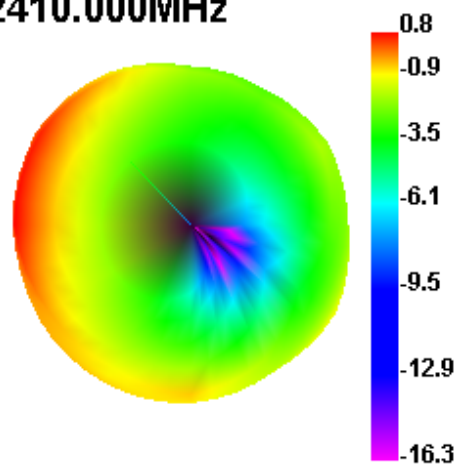
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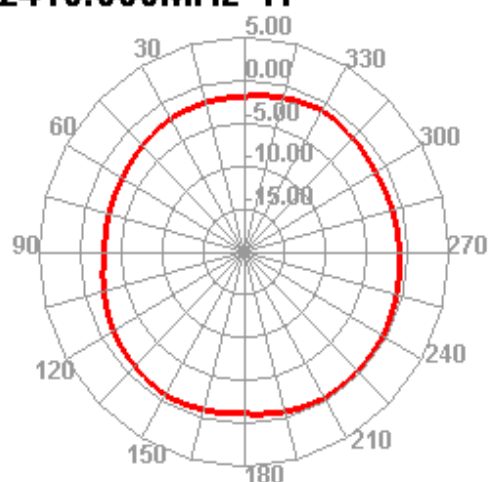
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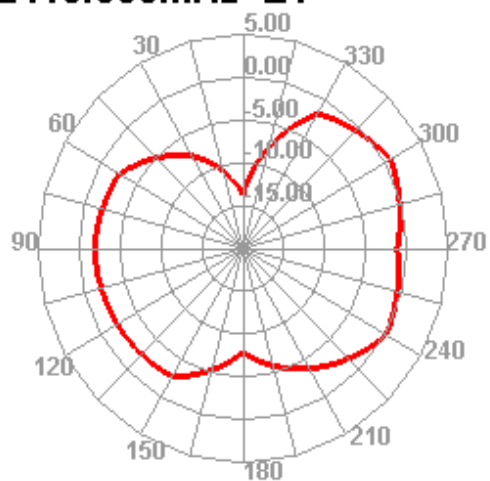
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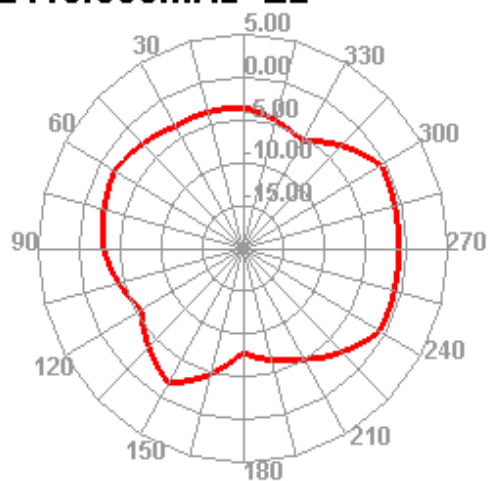
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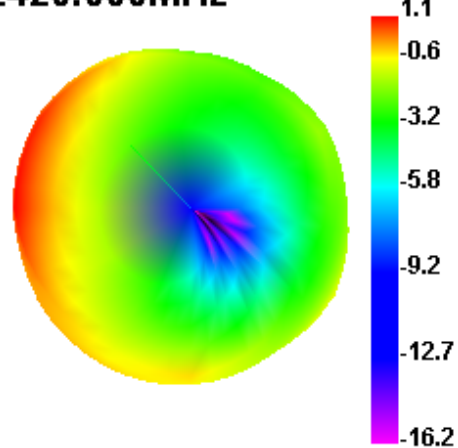
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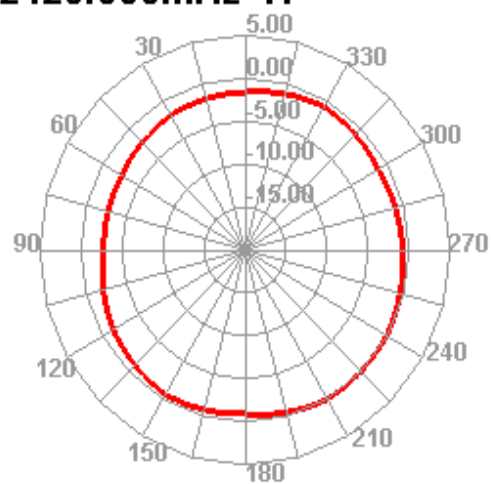
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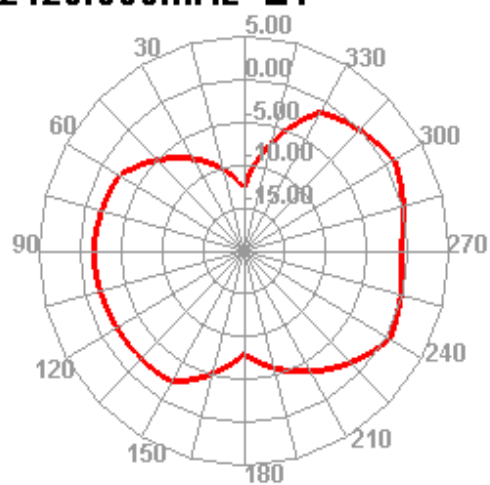
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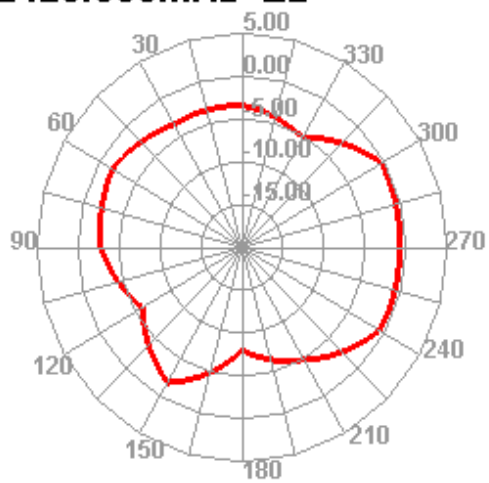
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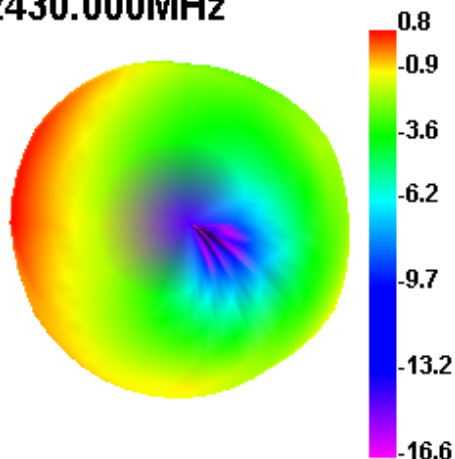
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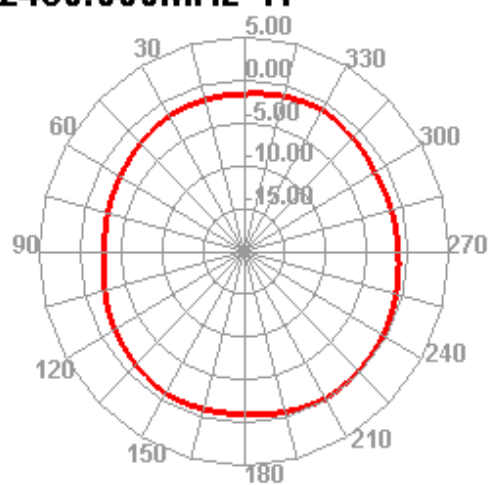
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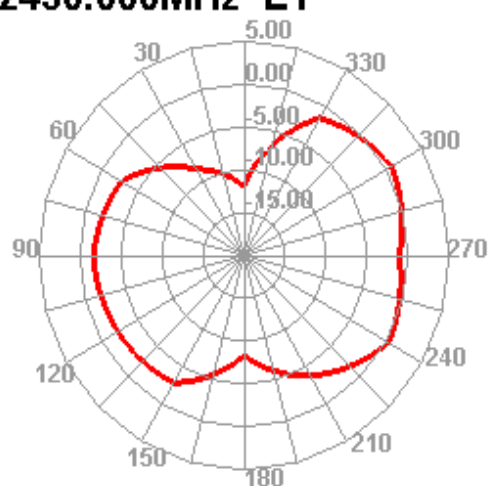
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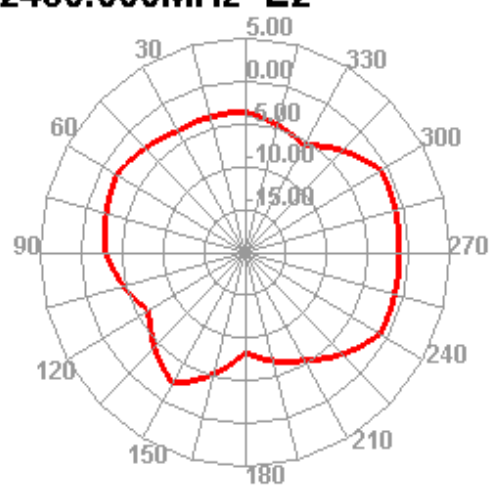
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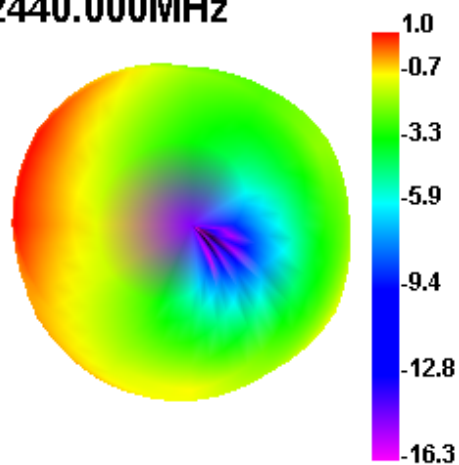
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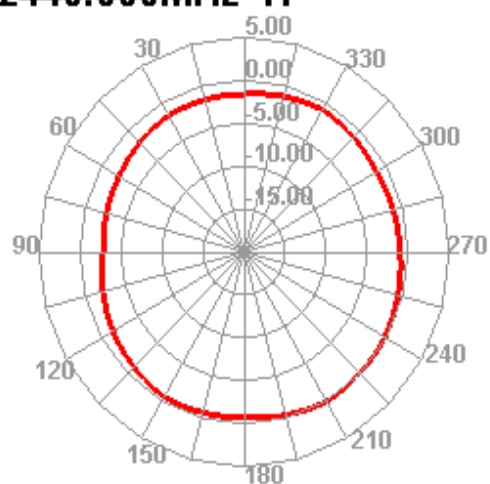
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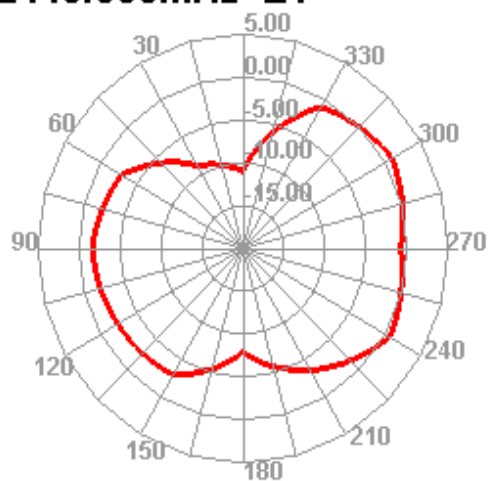
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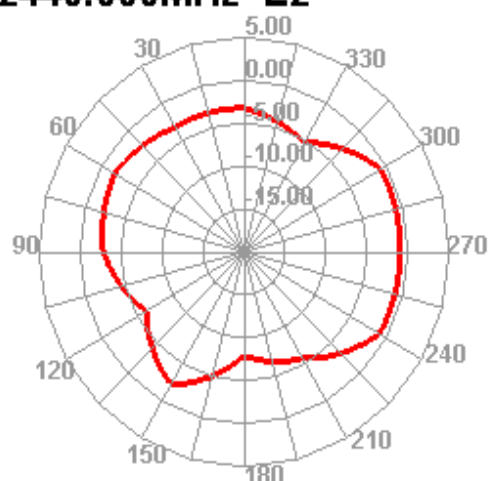
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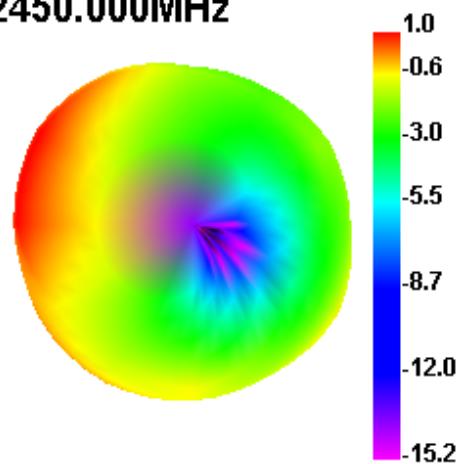
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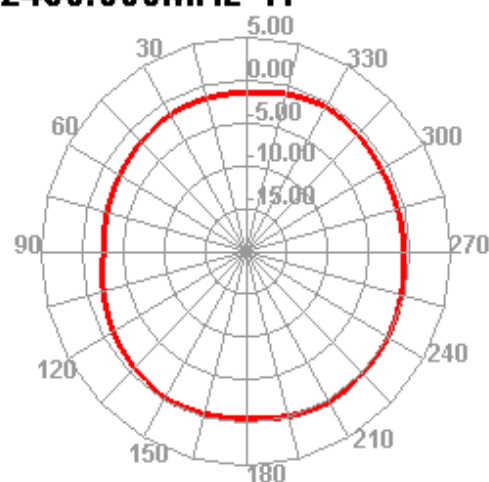
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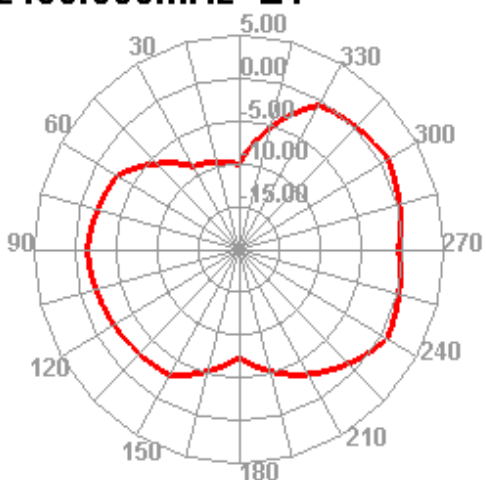
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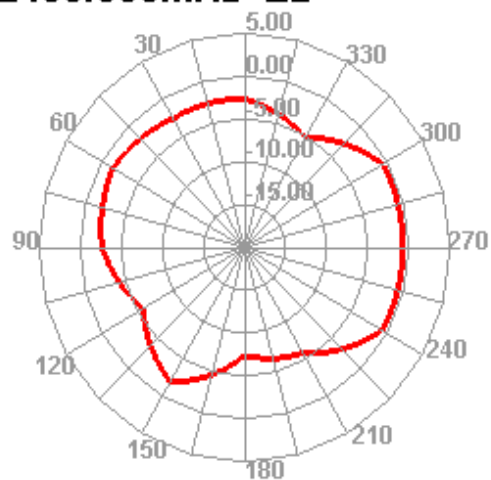
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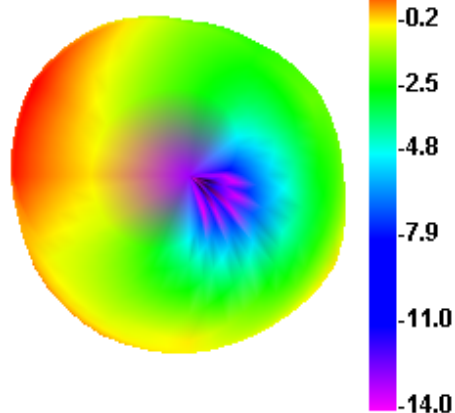
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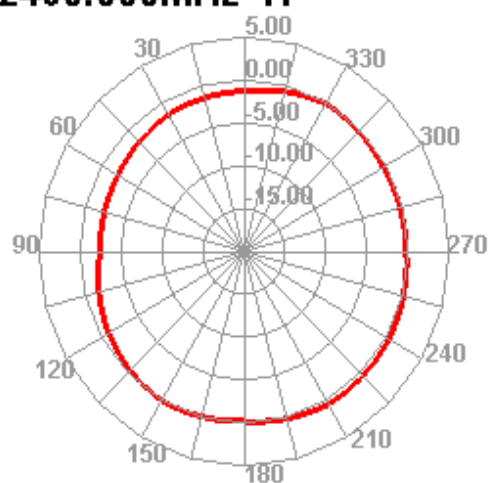
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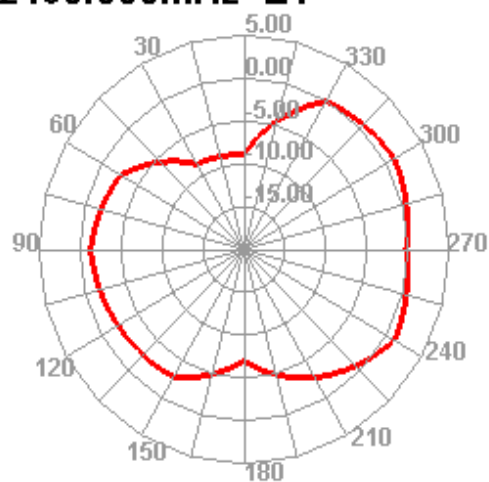
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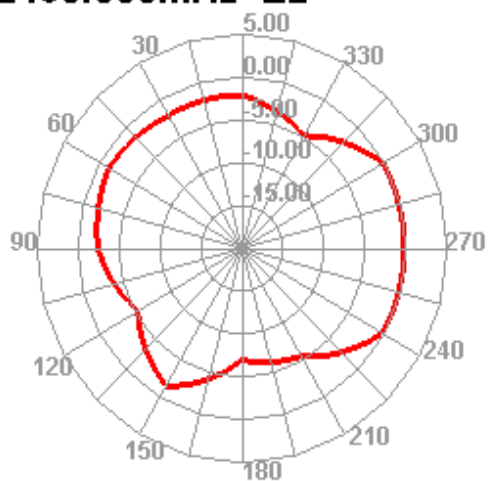
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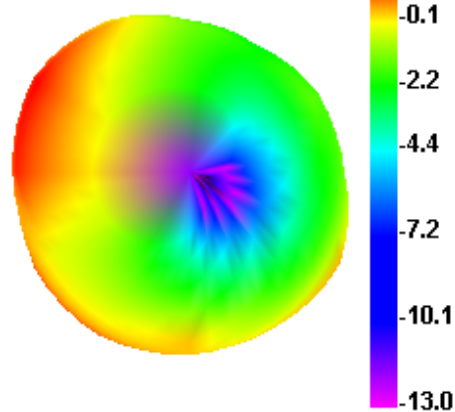
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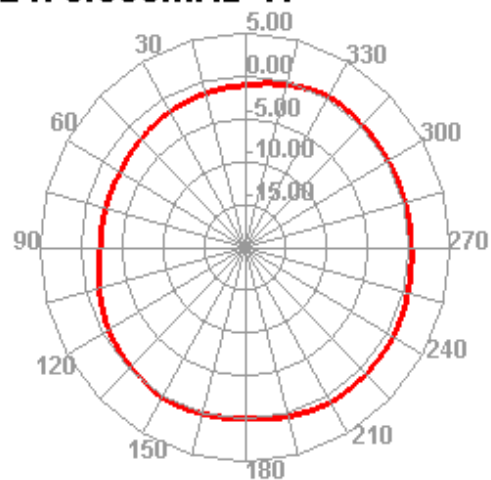
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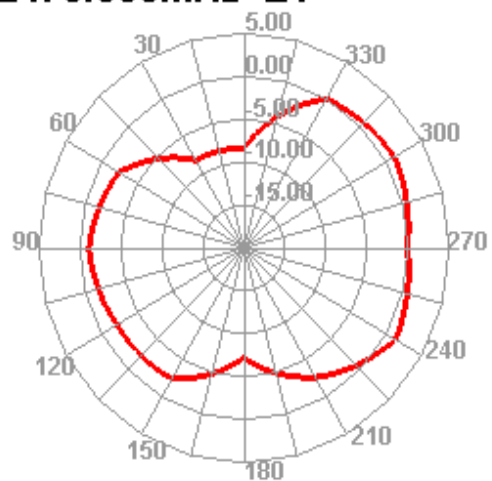
2470.000MHz



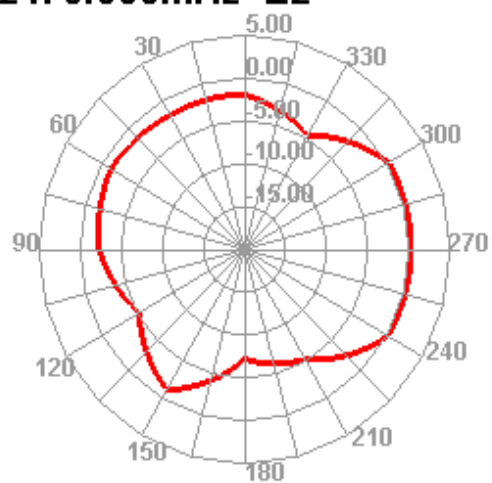
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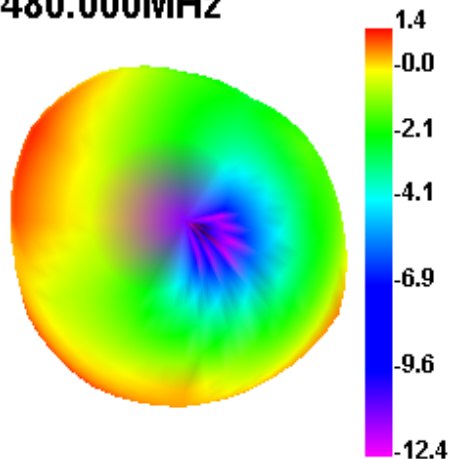
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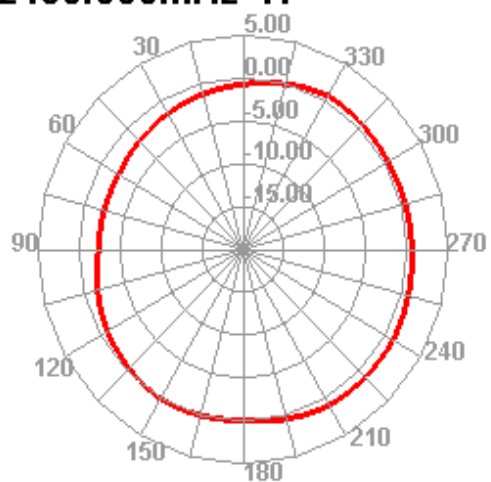
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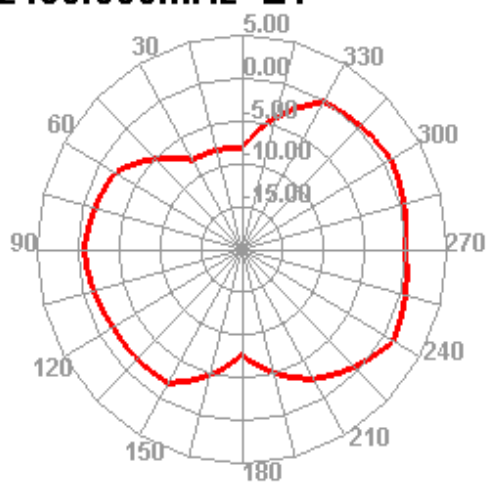
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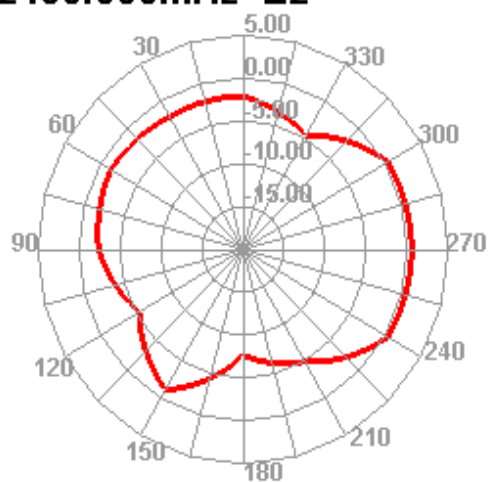
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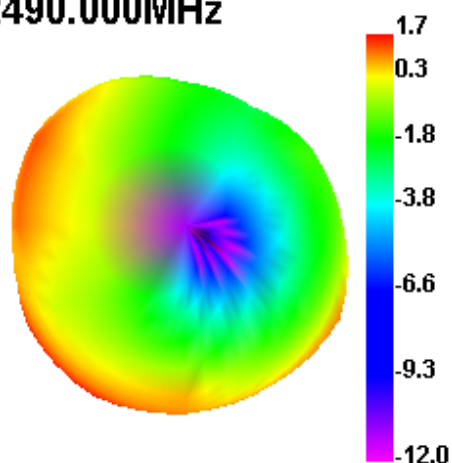
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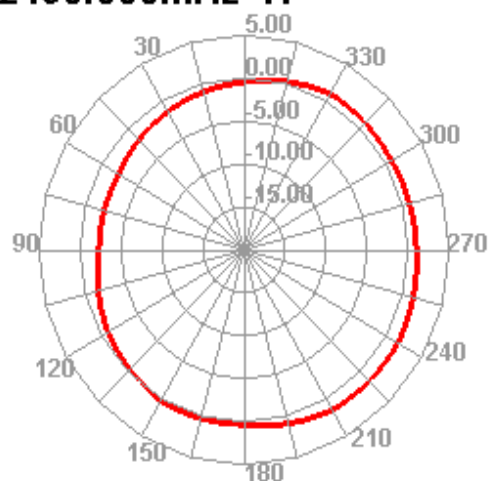
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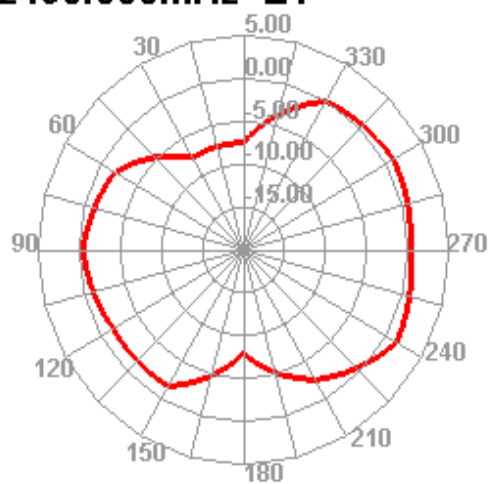
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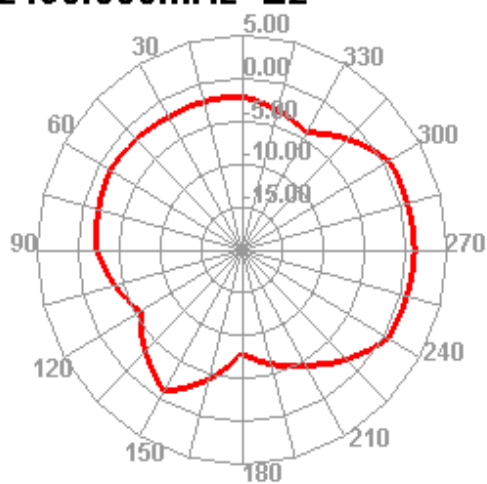
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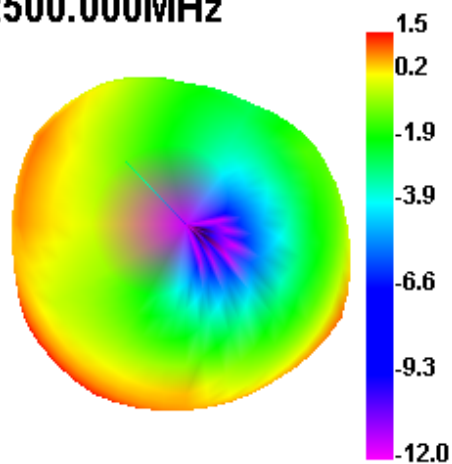
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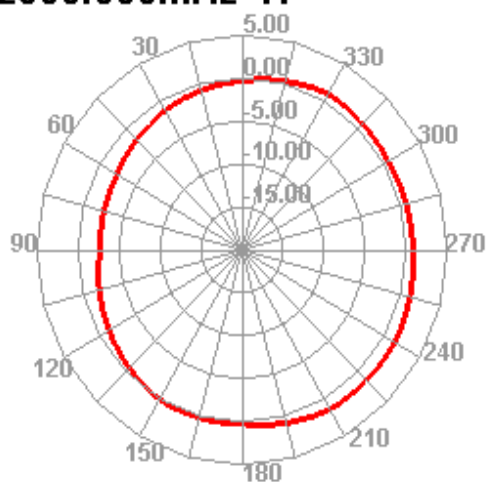
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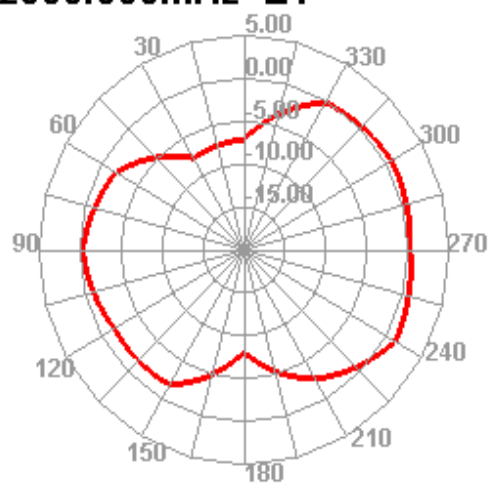
2500.000MHz



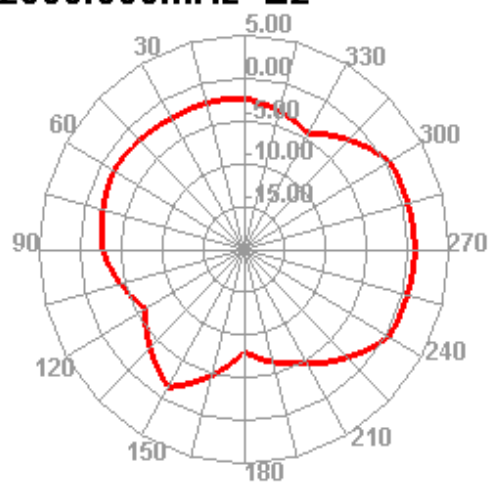
2500.000MHz H



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	☐ 结构类 ☐ 电子类 ☐ 包材类 ☐ 配件类 ☐ 其它 ☐ 五金 ☐ 塑胶 ☐ PCB ☐ 电子元件 ☐ 线材 ☐ 其它				
认可类型	☐ 新模具 ☐ 新供应商 ☐ 模具修正 ☐ 工程变更 ☐ 新器件 ☐ 其它				
物料确认	外观结构部分				
	MD： ☐ 认可 ☐ 不认可 ☐ 其它			ID： ☐ 认可 ☐ 不认可 ☐ 其它	
	附件报告： ☒ 物料规格书 ☒ 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： ☐ 认可 ☐ 不认可 ☐ 其它			外观检查： ☐ 认可 ☐ 不认可 ☐ 其它	
	功能测试： ☐ 认可 ☐ 不认可 ☐ 其它			试产结果： ☐ 合格 ☐ 不合格	
	附件报告： ☒ 电性能测试报告 ☒ 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： ☐ 认可 ☐ 不认可 ☐ 其它			环保： ☐ 认可 ☐ 不认可 ☐ 其它	
	外观： ☐ 认可 ☐ 不认可 ☐ 其它			文件： ☐ 认可 ☐ 不认可 ☐ 其它	
	附件报告： ☒ 可靠性测试报告 ☒ 功能测试报告 ☒ 全尺寸测试报告 ☒ 品质控制计划（QC工程图）				
	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：	