



深圳市英佳创电子科技有限公司

<http://www.szsyjc.com>

APPROVAL SHEET

承认书

CUSTOMER NAME 客户名称	睿联技术	
CUSTOMER P/N 客户料号	54.07.001.0147	
PART NAME 品 名	2.4G/5G 睿联白防水分体天线	
P/ N 料 号	YJC-60302-W42	
APPROVAL REV. 版 次	A0	
DELIVERY DATE 送样日期	2024 年 10 月 22 日	
PREPARED BY 承 办	殷飞杰	
CHECKED BY 审 核	方文锋	
APPROVED BY 核 准	肖汉	
Customer Approved 客 户 承 认		
Prepared By 承 办	Checked By 审 核	Approved By 核 准

总部地址：深圳市光明区马田街道油麻岗路 11 号宏域光明谷 C 栋

东莞分厂：东莞市桥头镇石水口银河三路 2 号英佳创产业园

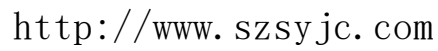
杭州办事处：杭州滨江区浦沿街道至仁街 5 号滨润科创园 1 栋 509

绵阳办事处：四川省绵阳市高新区绵兴东路 35 号万向高新国际 4F-34 号

电话：0755-27810060

传真：0755-27810057

网址：<http://www.szsyjc.com>



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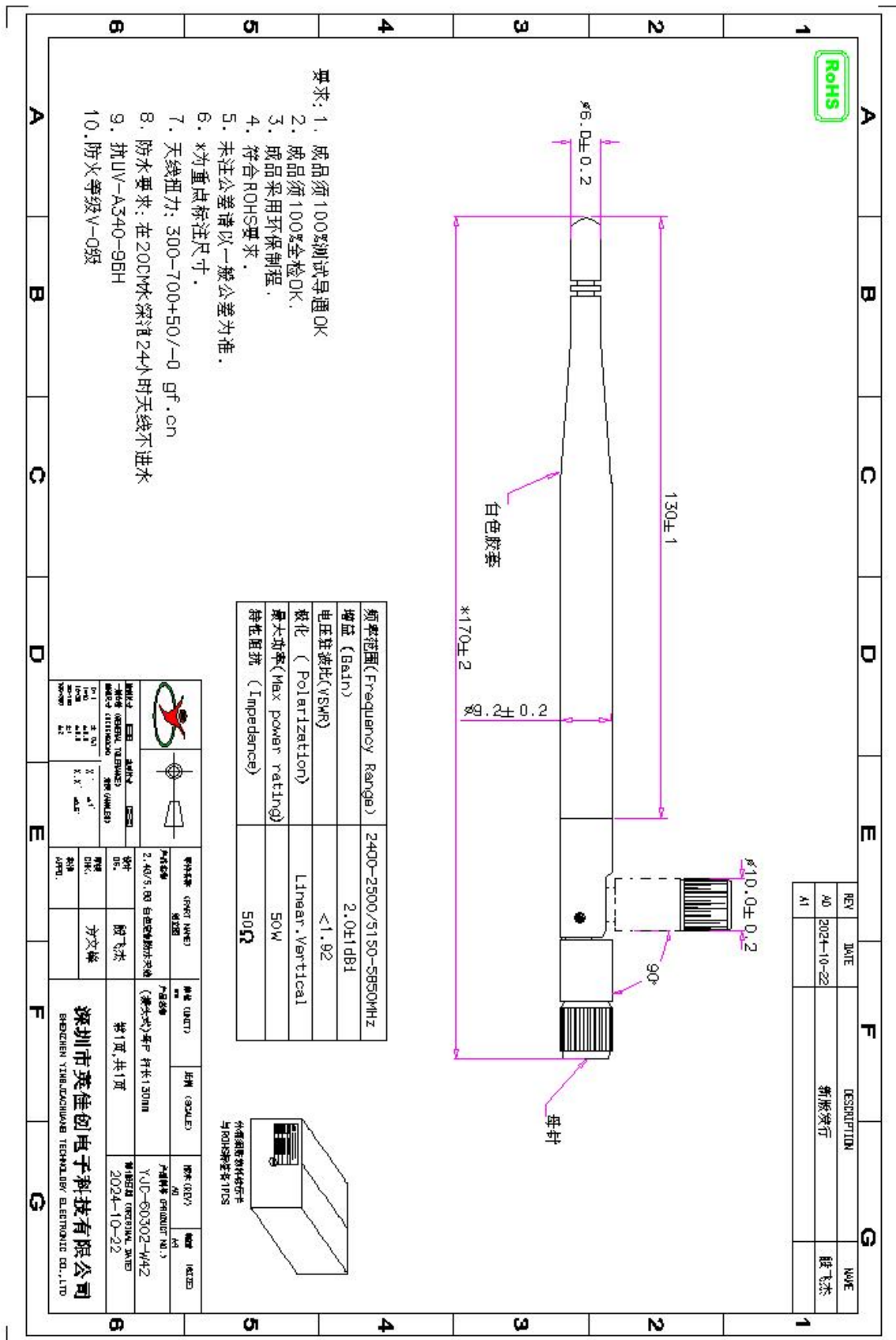


履历表：

版本	变更内容及更改原因	日期	发行
A0	初版发行	2024 年 10 月 22 日	



天线平面图:





天线技术参数及环境测试:

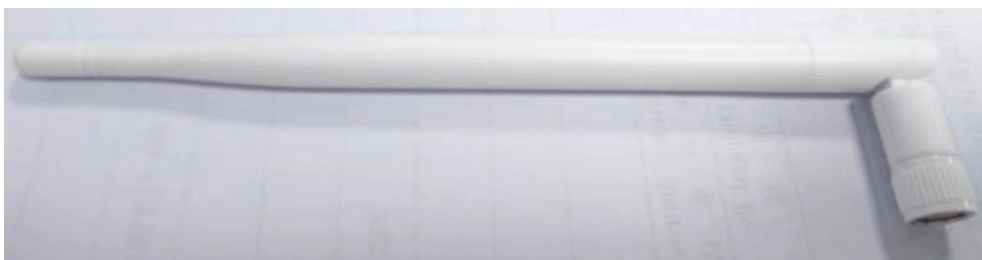
电气技术参数			
电 性 能 指 标		Electrical Specifications	
频率范围	2400-2500/5150-5850MHz	Frequency Range	2400-2500/5150-5850MHz
电压驻波比	<1.92	VSWR	<1.92
输入阻抗	50 Ω	Input Impedance	50 Ω
方向	全向	Direction	All
增益	2.0 $\pm$ 1dBi	Gain	2.0 $\pm$ 1dBi
机 械 指 标		Mechanical Specifications	
天线颜色	白色	Antenna Color	White
接口形式	SMA	Input connector	SMA
工作温度	-20 $^{\circ}$ C~+70 $^{\circ}$ C	Working Temperature	-20 $^{\circ}$ C~+70 $^{\circ}$ C
工作湿度	20%~80%	Working Humidity	20%~80%

环境性能测试:

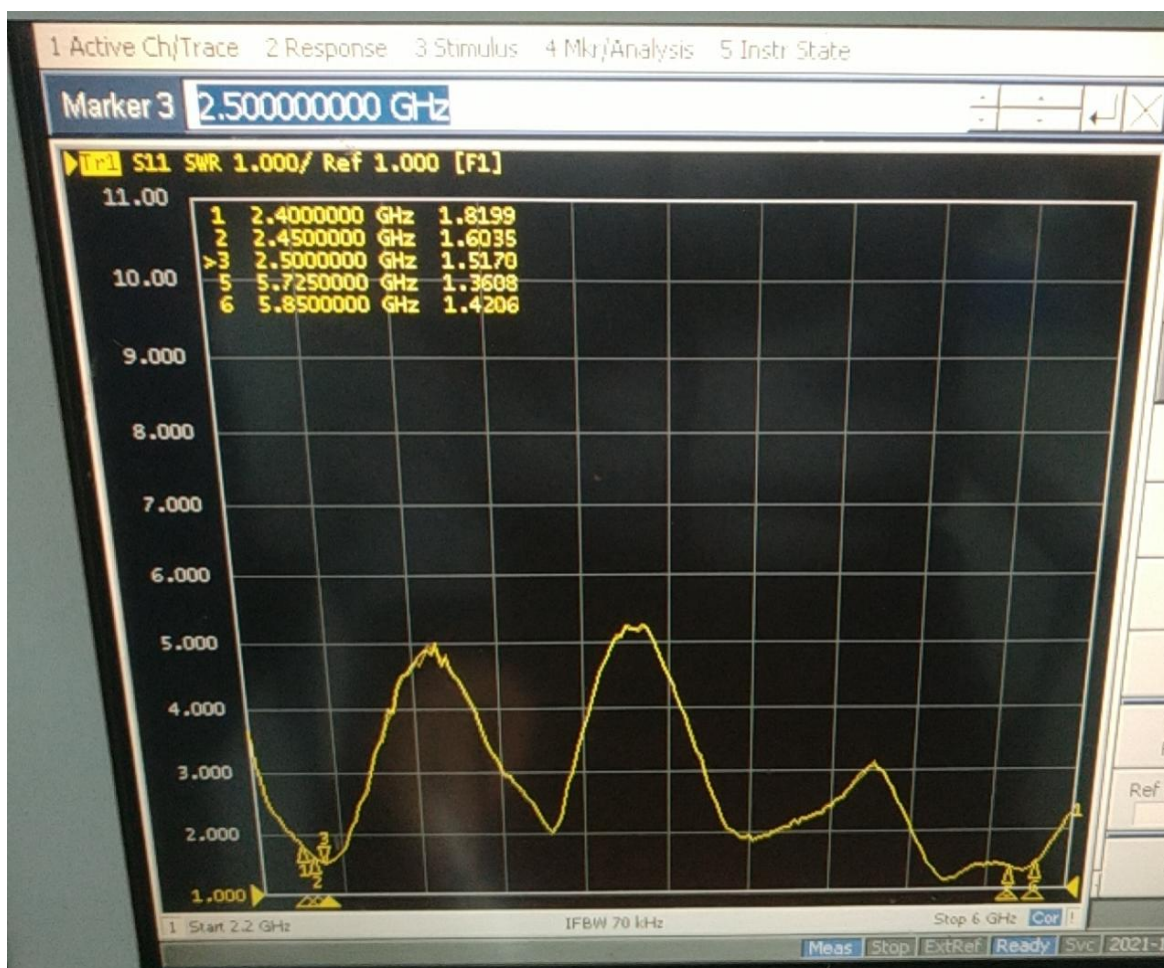
项目	测试条件	规格
储存环境	在没有指定的情况下测试温度、湿度、气压如下: 1. 温度为-30 $^{\circ}$ C~+80 $^{\circ}$ C 2. 相对湿度为45%-85% 3. 气压为86kpa-106kpa	电气机械性能正常
高低温试验	在70 $^{\circ}$ C与-20 $^{\circ}$ C之间进行5次循环,然后在正常条件下1-2H, 检查外观质量。	尺寸应满足规定并应满足满足于机械、电气性能
耐恒定湿热试验	相对湿度95 $\pm$ 3%, 试验温度: 40 $^{\circ}$ C. 持续2H作用后, 试品取出后5min之内测定电气性能, 试品在正常条件下1-2H, 检查外观质量	尺寸应满足规定并应满足满足于机械、电气性能
振动试验	振频范围10-55HZ, 位移幅值: 0.35MM, 加速度幅值: 50.0M/S, 扫频循环次数: 30次	电气机械性能正常
跌落试验	1M高空按照互相垂直的轴方向自由跌落3次	电气机械性能正常



天线实物图:



天线性能测试图:

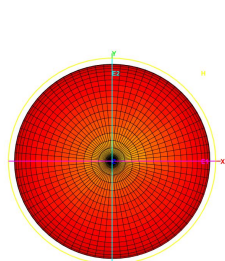




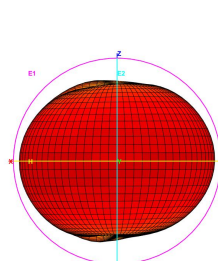
2D、3D 测试数据(2.4G)：

Frequency	Efficiency (%)	Gain. (dBi)
2400MHz	84.92	2.21
2410MHz	86.70	2.30
2420MHz	87.70	2.49
2430MHz	89.54	2.59
2440MHz	87.90	2.60
2450MHz	87.30	2.68
2460MHz	87.70	2.77
2470MHz	87.10	2.89
2480MHz	84.92	2.83
2490MHz	86.50	2.81
2500MHz	84.14	2.64

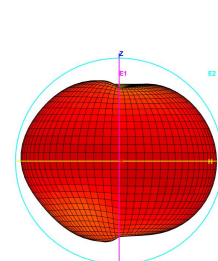
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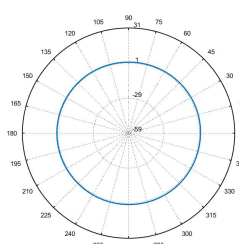
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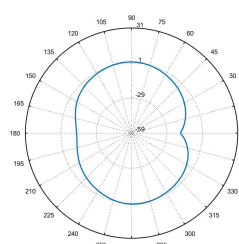
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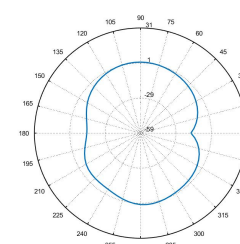
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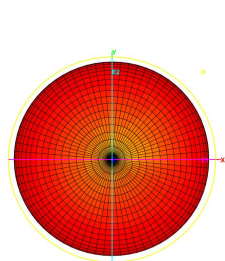
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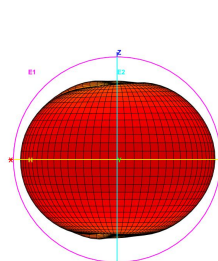
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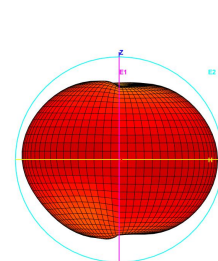
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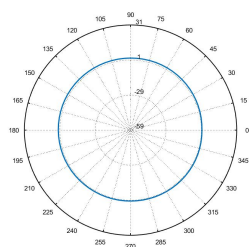


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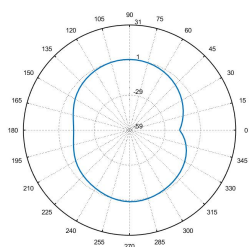




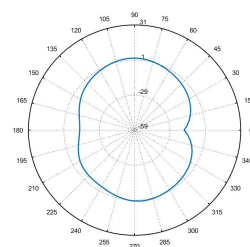
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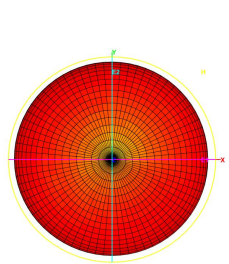
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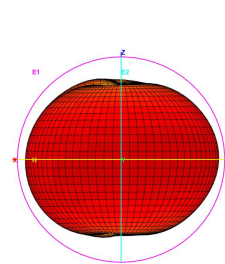
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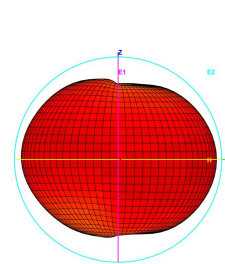
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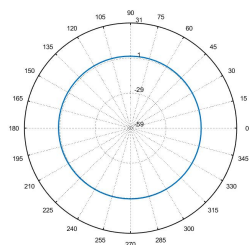
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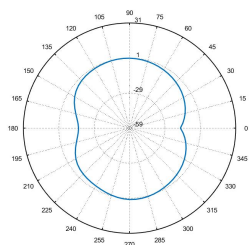
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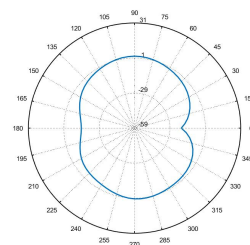
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Total_Polar_E1_2.5GHz



Total_Polar_E2_2.5GHz

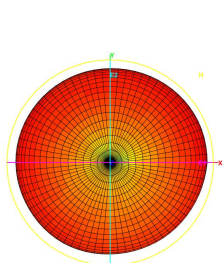




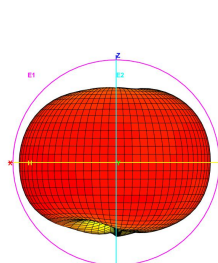
2D、3D 测试数据（5.8G）：

Frequency	Efficiency (%)	Gain. (dBi)
5150MHz	66.53	1.44
5250MHz	78.16	2.02
5350MHz	74.64	2.32
5450MHz	81.10	2.55
5550MHz	73.62	2.06
5650MHz	73.96	1.98
5750MHz	71.12	2.19
5850MHz	62.52	1.47

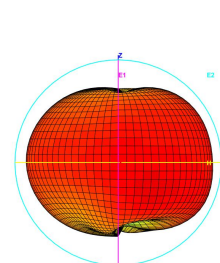
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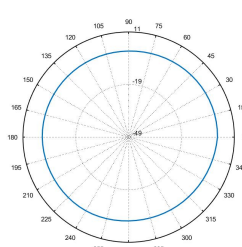
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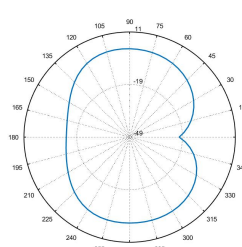
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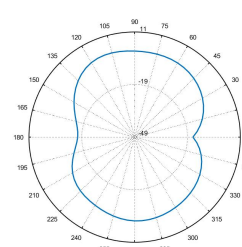
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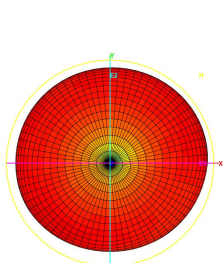
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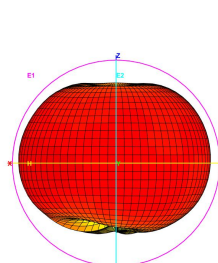
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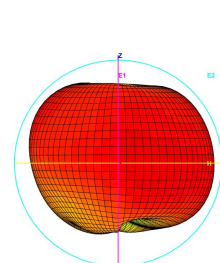
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Total_3D_E1_5.45GHz

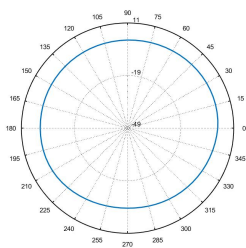


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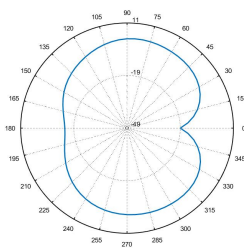




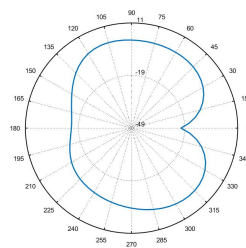
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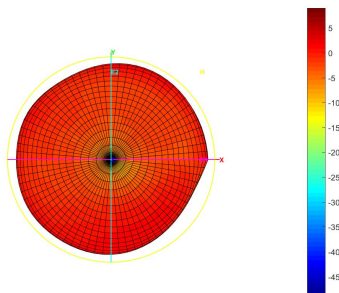
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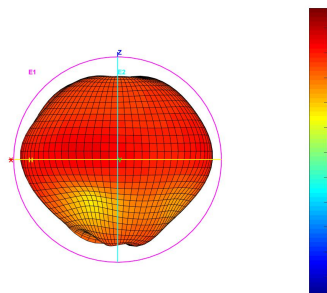
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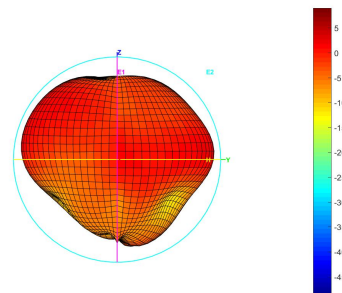
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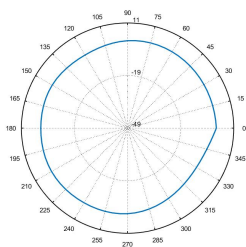
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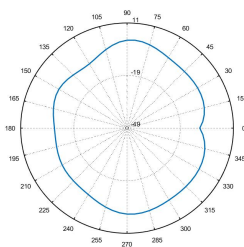
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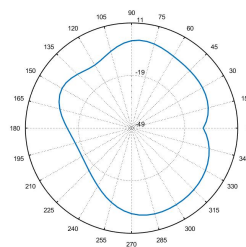
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Total_Polar_E1_5.85GHz



Total_Polar_E2_5.85GHz





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ROHS 物料控制报告

兹证明向贵司交货的零组件、辅助材料所使用的原材料、以及生产工程中的添加剂等均符合 RoHS 限制使用有害物质指令的环保要求 (RoHS 指令 2011/65/EC)

关于零组件、辅助材料所使用的原材料、包装材料以及和产过程中使用的添加剂等的构成成份报告如下:

组成物料名称 Component /Part Name	组成材料 Material Composition	ICP 报告编号 ICP report #	测试机构 Test Org.	测试时间 Test Date	有害物质含量(ppm)						是否合格? PASS?
					Cd	Pb	Hg	Cr ⁶⁺	PBB	PBDE	PASS
杆套+防火	TPEE	A2240057268120001	SGS	24/03/13	ND	ND	ND	ND	ND	ND	PASS
	PC	SZXPC24000015502	SGS	24/01/09	ND	ND	ND	ND	ND	ND	PASS
	POM	CANEC24000208014	SGS	24/01/10	ND	ND	ND	ND	ND	ND	PASS
铜管	黄铜带	NGBEC24002403414	SGS	24/05/14	ND	11	ND	ND	ND	ND	PASS
环保锡丝	环保锡丝	SHAEC24006459102	SGS	24/04/10	ND	78	ND	ND	ND	ND	PASS
线材	RG178同轴 线缆	CANEC24002746201	SGS	24/02/22	ND	ND	ND	ND	ND	ND	PASS
热缩套管	热缩套管	CANEC24001723028	SGS	24/01/29	ND	ND	ND	ND	ND	ND	PASS
硅胶塞	硅胶	CANEC23017729318	SGS	24/01/12	ND	ND	ND	ND	ND	ND	PASS
SMA	胶芯	TAOEC24005791401	SGS	24/08/26	ND	ND	ND	ND	ND	ND	PASS
	黄铜	CANEC24000181306	SGS	24/01/10	ND	28175	11	ND	ND	ND	PASS
	金镀层	SZXPC24000524901	SGS	24/03/13	ND	28627	ND	ND	ND	ND	PASS
	镍镀层	SZXPC24001237405	SGS	24/04/28	ND	49	ND	ND	ND	ND	PASS