

APPROVAL SHEET

客户名称 CUSTOMER :

名称 NAME : 2.4G 内置 FPC 天线

物料代码 PART CODE :

规格型号 MODEL NO : 2.4G-1.13IPEX-L80

日期 DATE : 2022.07.29

制 作 drawing	审 核 check	批 准 approved

客户承认 Customer Approve

审 核 check	批 准 approved	承 认 approval

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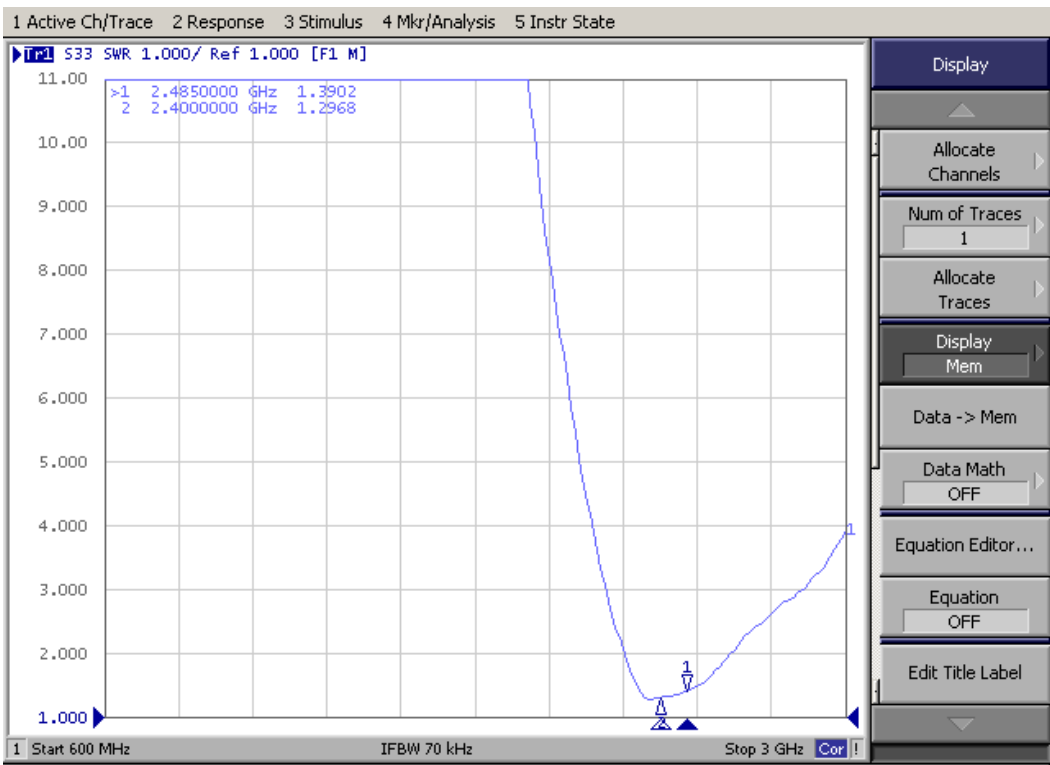
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电性能指标 Electrical Performance Index

电 器 性 能 指 标		Electrical Specifications	
频率范围		2400-2500MHZ	
电压驻波比	≤2.0	VSWR	≤2.0
增益	2.4G≤2.0 DBI	GAIN	2.4G≤2.0 DBI
辐射方式	全向	Radiation	OMNI
极化方式	线极化	Polarizatin	LINEAR
输入阻抗	50 Ω	Input Impedance	50 Ω
机 械 性 能 指 标		Mechanical Specifications	
接口形式	IPEX-1	Input connector	IPEX-1
天线材质	FPC	Antenna materia	FPC
工作温度	-30℃~+80℃	Working Tempera ture	-30℃~+80℃
工作湿度	40~85%	Working Humidit y	40~85%

测试报告 Test report

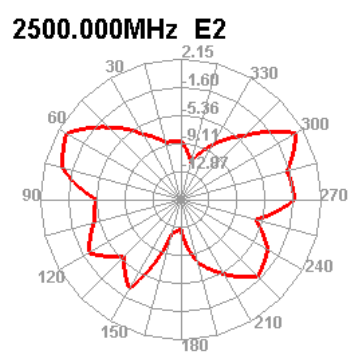
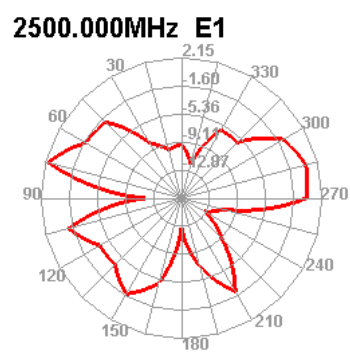
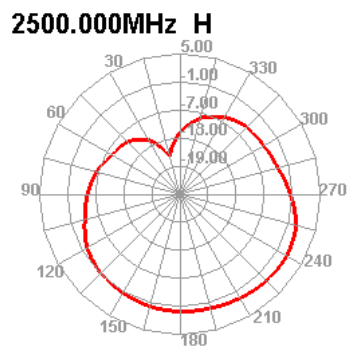
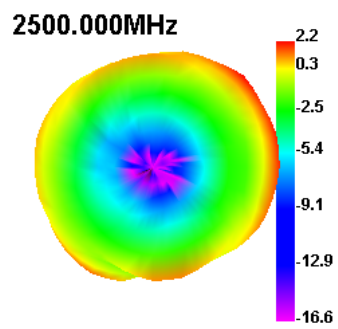
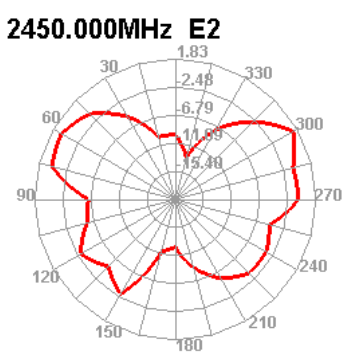
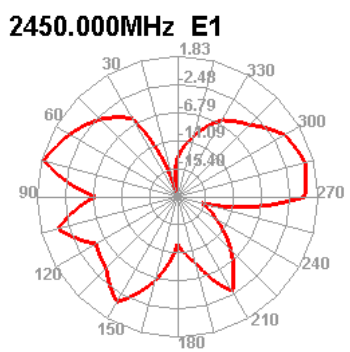
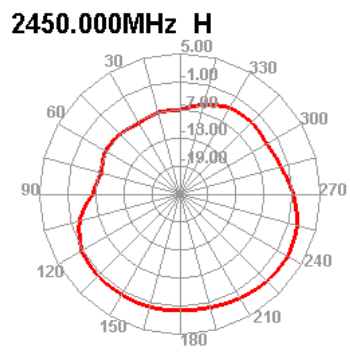
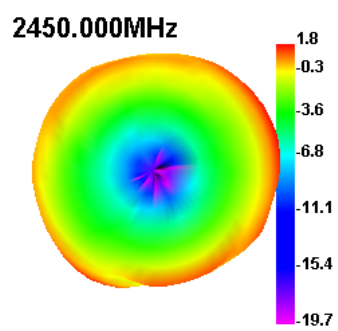
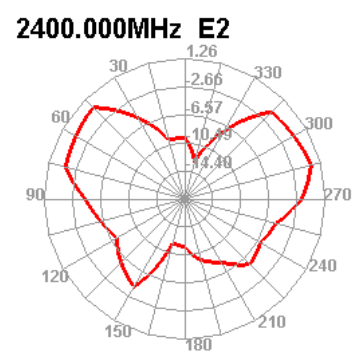
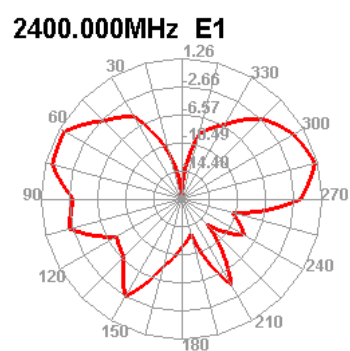
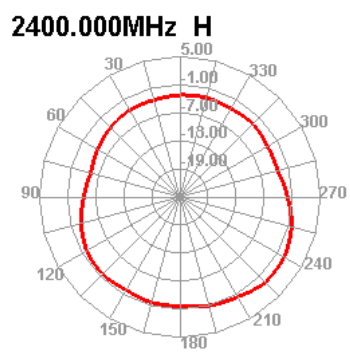
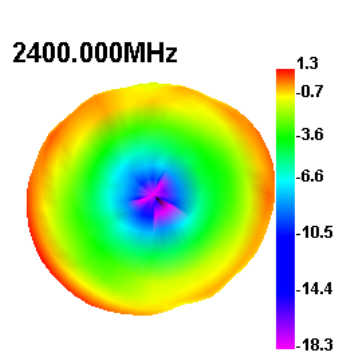
1. 天线驻波图



2. 天线效率

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)
2400	50.19	-3.31	1.76	-0.39
2405	50.64	-3.27	1.59	-0.56
2410	51.28	-3.22	1.87	-0.28
2415	51.67	-3.18	1.98	-0.17
2420	50.11	-3.31	1.84	-0.31
2425	51.34	-3.21	1.86	-0.29
2430	54.04	-2.99	2.01	-0.14
2435	53.73	-3.02	1.53	-0.62
2440	56.46	-2.81	1.87	-0.28
2445	57.99	-2.69	1.83	-0.32
2450	57.19	-2.75	1.93	-0.22
2455	55.23	-2.9	1.89	-0.26
2460	55.32	-2.89	1.91	-0.24
2465	54.55	-2.95	1.86	-0.29
2470	54.88	-2.93	1.68	-0.47
2475	56.63	-2.79	1.91	-0.24
2480	58.94	-2.62	1.93	-0.22
2485	58.91	-2.62	1.99	-0.16
2490	56.65	-2.79	1.84	-0.31
2495	57.95	-2.69	1.89	-0.26
2500	55.31	-2.89	1.76	-0.39

3. 天线方向图



测试设备及原理 Testing Equipment and Principle

1. 测试设备:

网络分析仪 Network Analyzers :

Agilent 8753D 5071B

综合测试仪 Communications Test Set:

Agilent E5515C/CMW500

3D 暗室测试系统 3D Chamber Test System:

2. 测试原理:

工程图纸 Product Drawing

