

SPECIFICATION OF APPROVAL

规格承认书

客 户：
CUSTOMER:

品 名 规 格：LTE+WIFI 46 小圆壳天线，178 线线长 1.5M 带 IPEX1 端子
DESCRIPTION:

料 号：OYT-LTE-WIFI-IPEX1-1.5M
PART NO.:

客 户 料 号：
CUS PART NO.:

日 期：
DATE: 2024-07-17

欧源通呈样签章

工 程 ENGINEERING DEPARTMENT	品 保 Q C DEPARTMENT	业 务 SALES DEPARTMENT
陈汉高	吴智强	

客户承认签章

工 程 ENGINEERING DEPARTMENT	品 保 Q C DEPARTMENT	采 购 PURCHASING DEPARTMENT

*承认书一式三份，惠蒙贵司承认盖章

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LTE+WiFi Antenna Specifications

概述:

本天线为小圆盒集成外置LTE+WiFi双天线，接收698-960和1710-2700频段的LTE全网通信号和2400到2500频段的WiFi信号，具有体积小、稳定性高、高防水等特点，适用于新能源、储能终端、充电桩终端、通信基站等设备，可长期适用室外环境使用。

1、4G Antenna Performance

Technical requirement	Technical indicators
频率 (Center Frequency)	698-960MHZ/1710-2700MHZ
阻抗(Impedance)	50Ω
电压驻波比 V.S.W.R	<3.0
辐射方向 Radiation Direction	全方向 (Omnidirectional)

2、WIFI Antenna Performance

Technical requirement	Technical indicators
频率 (Center Frequency)	2400-2500MHZ
阻抗(Impedance)	50Ω
电压驻波比 V.S.W.R	<2.0
辐射方向 Radiation Direction	全方向 (Omnidirectional)

3、环境特性(Environmental characteristics)

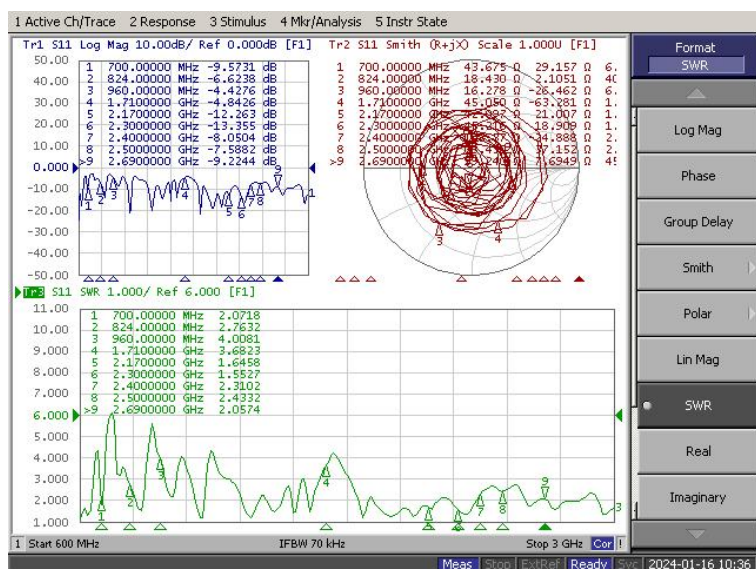
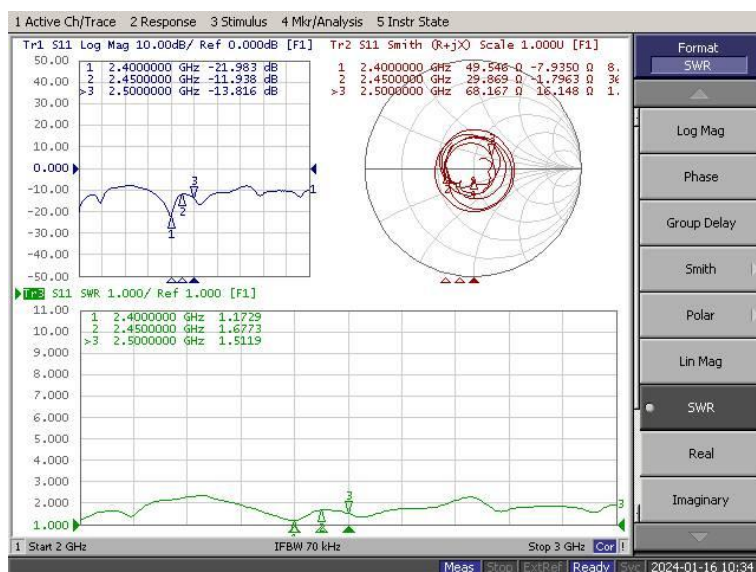
工作温度 (Working Temperature)	-40℃~+85℃
储存温度 (Storage Temperature)	-50℃~+85℃
湿度(Humidity)	40%~95%
防水性能 (Waterproof)	IP67

4、天线结构(Antenna structure)

重量 Weight	<45g
外型尺寸 Size	Φ46X16
出线方式 Cable Way out	中心出线 Side outlet
电缆 Cable	RG178 1.5 meters
连接器型号 Connector	IPEX1
外壳颜色 Housing	Black 黑色

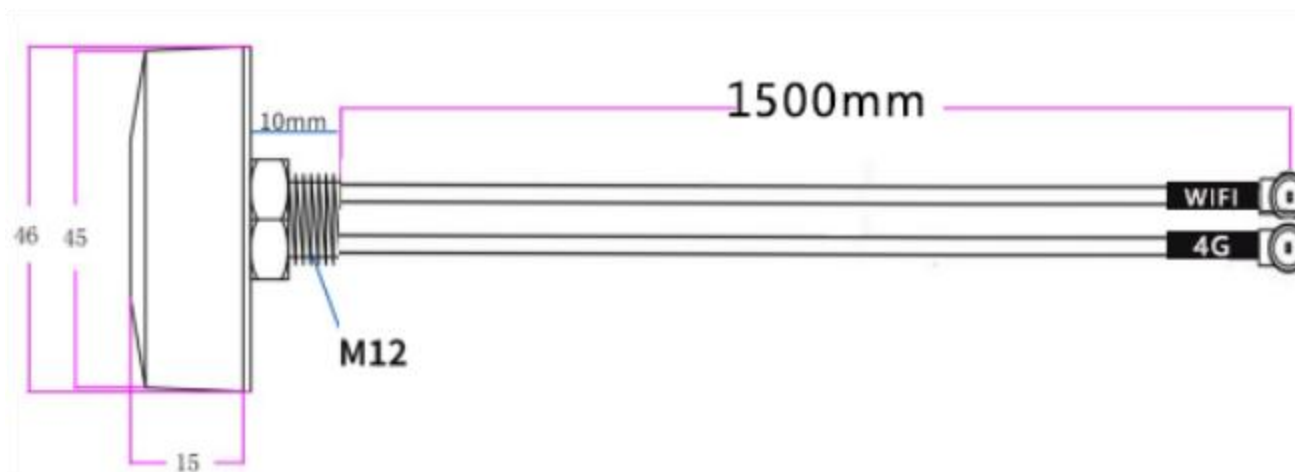
5、被动结果测试(Test for passive results)

5.1 WIFI 和 4G 网分测试



5.2 暗室测试（见：附件 1、附件 2）

7、产品图片（Production Picture）

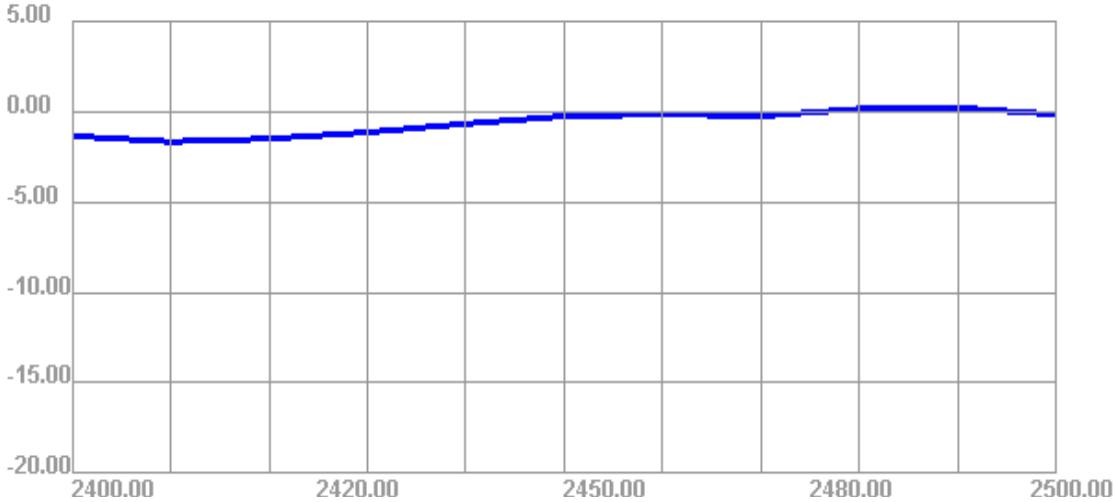


7、包装方式（Packing method）

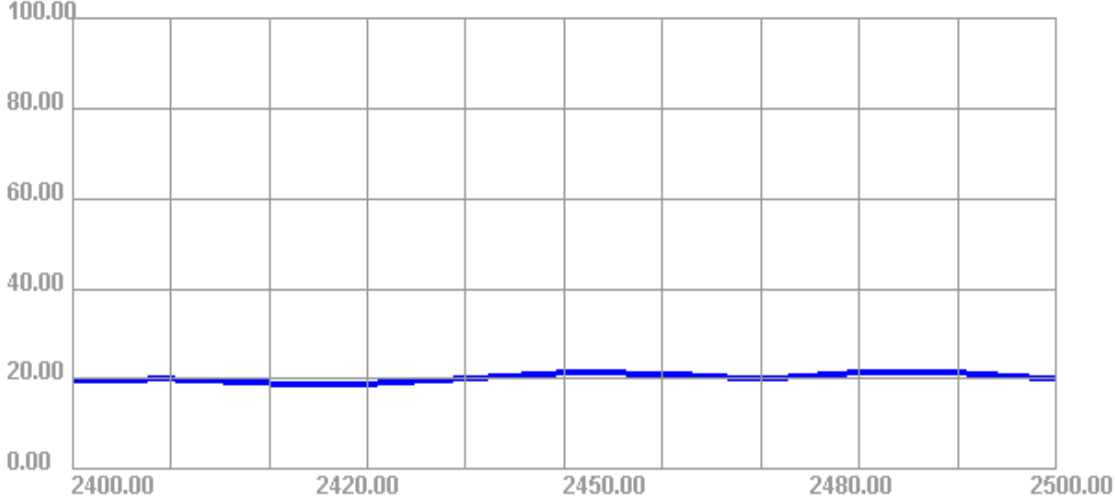
包装：（每个小塑封袋 1PCS，25pcs 一个大袋），可按客户要求包装。

Passive Test For WIFI2.4												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	irectivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	19.86	-7.02	-1.35	-3.5	8.079	11.778	-1.35	-18.18	5.67	0	48.21	48.37
2410	20.04	-6.98	-1.66	-3.81	7.997	12.043	-1.66	-17.68	5.32	0	48.2	48.31
2420	19.11	-7.19	-1.5	-3.65	7.516	11.592	-1.5	-18.69	5.69	0	48.1	48.2
2430	18.99	-7.22	-1.15	-3.3	7.434	11.554	-1.15	-17.83	6.07	0	48.2	48.27
2440	20.16	-6.96	-0.67	-2.82	7.947	12.208	-0.67	-18.65	6.28	0	48.28	48.39
2450	21.44	-6.69	-0.26	-2.41	8.611	12.829	-0.26	-21.09	6.43	15	48.35	48.45
2460	21.27	-6.72	-0.15	-2.3	8.717	12.555	-0.15	-23.55	6.57	15	48.31	48.35
2470	20.02	-6.99	-0.25	-2.4	8.397	11.623	-0.25	-26.05	6.73	15	48.33	48.3
2480	21.52	-6.67	0.15	-2	9.218	12.305	0.15	-24.68	6.82	15	48.53	48.42
2490	21.45	-6.69	0.21	-1.94	9.396	12.053	0.21	-23.79	6.9	15	48.72	48.5
2500	20.07	-6.97	-0.16	-2.31	8.97	11.103	-0.16	-29.29	6.81	0	48.86	48.68

2400.00MHz - 2500.00MHz Gain

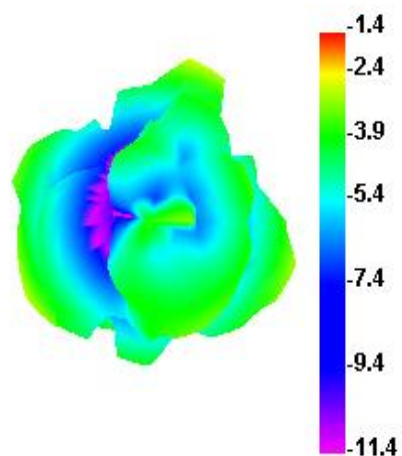


2400.00MHz - 2500.00MHz Efficiency

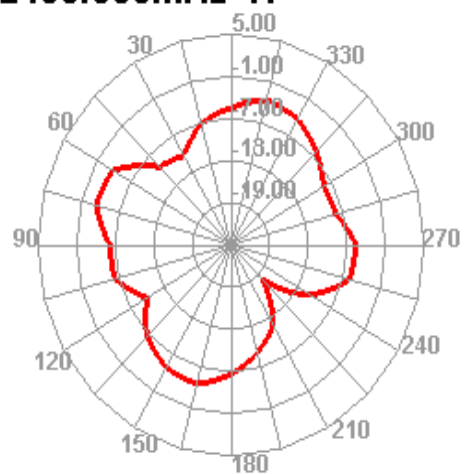


Application Information	
04Version	5.271.371
TotalTime	14m 19s 288ms
AdditionalInfor	NULL

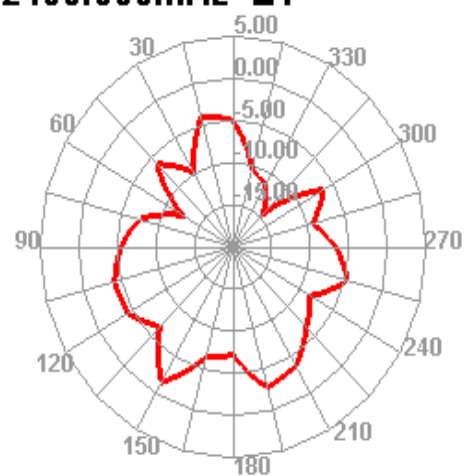
2400.000MHz



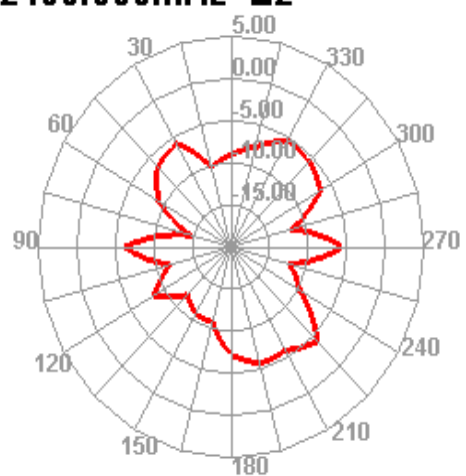
2400.000MHz H



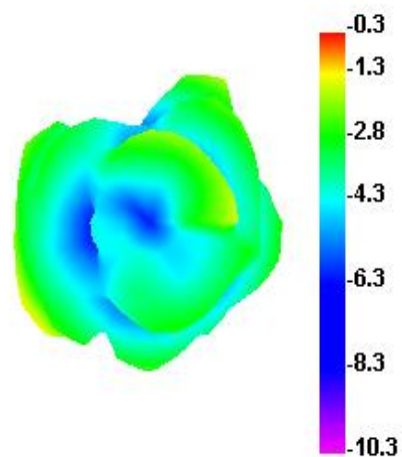
2400.000MHz E1



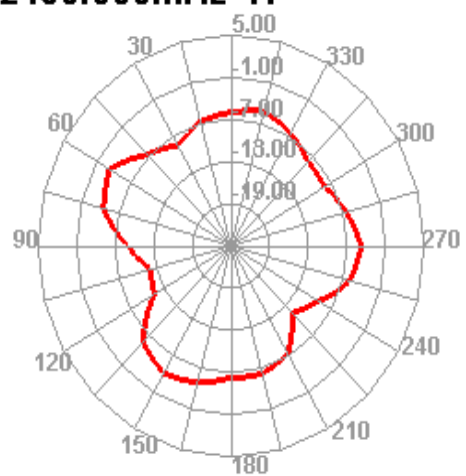
2400.000MHz E2



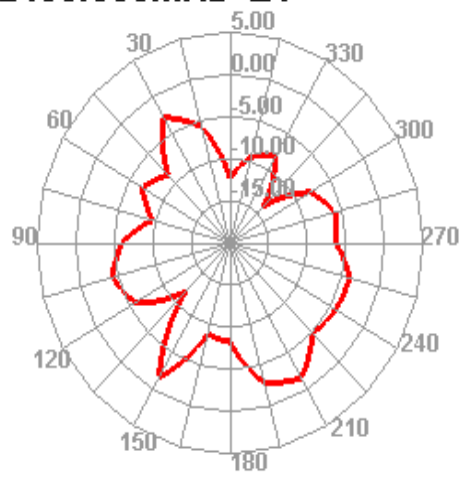
2450.000MHz



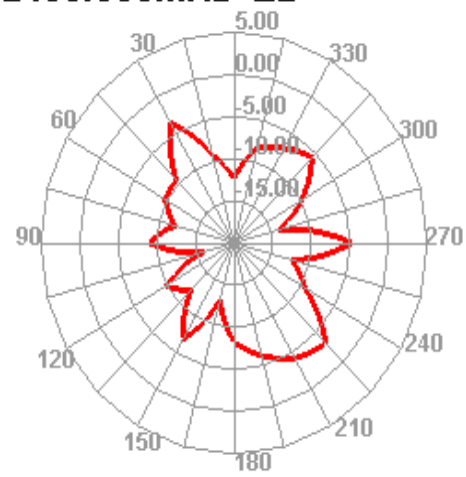
2450.000MHz H



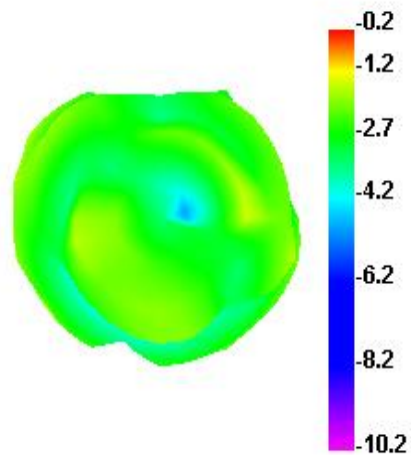
2450.000MHz E1



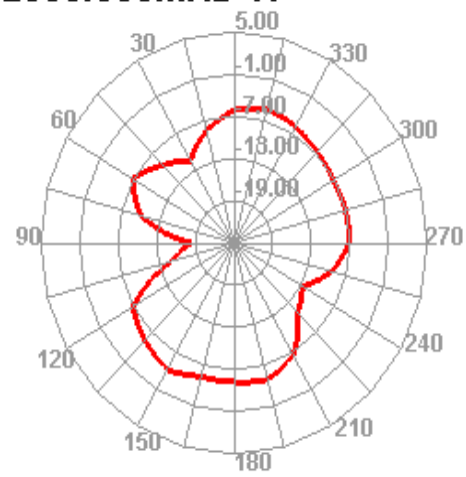
2450.000MHz E2



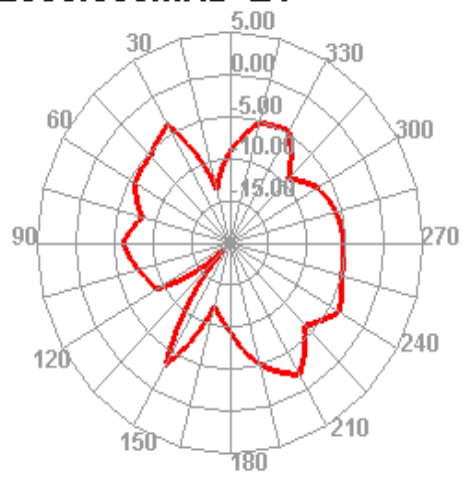
2500.000MHz



2500.000MHz H



2500.000MHz E1



2500.000MHz E2

