

规格承认书

An acknowledgement of specifications

Jetta (China) Industries Co.,LTD
No.333 Cai Xin Road Lan He Town , Nan Sha District, Guangzhou City Guangdong
Province, China

项目名称/料号 Project name	
供方料号 Supplier material number	XBY250218

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一. 测试系统及设备 Test System and Equipment

	测试项目 Test project	设备 Equipment
1 : S 参数 parameters	1. 回波损耗 Smith roundabout 2. 驻波比 VSWR	网络分析仪 Network analyzer : A338/A333 HP8753D
2 : 有源测试 active test		综合测试仪 Comprehensive test instrument : Agilent 8960/ CMW500
3 : 无源测试 passive test	1. 天线效率 Antenna efficiency 2. 天线增益 Antenna staff augmentation	1. 暗室 Darkroom: 5x3x3 m (ETS-3D) 2. 网络分析仪 Network analyzer : HP 8753D



二. 产品细节描述 Product Description

技术要求 Technical requirements	技术指标 Technical index	备注 comments on a form
工作频段 Band	2.4G	
频率范围 Range Of Frequency	2400-2500Mhz	
驻波比 VSWR	<2.0	中心频率 Center Frequency
输出阻抗 Impedance	50 Ω	
极化方式 Polarization	垂直极化 vertical polarization	
工作温度 operating temperature	-20℃ / +70℃	
存储温度 storage temperature	25℃ $\pm$ 5℃	
盐雾 Salt Fog	24 小时 (24 小时干湿交替) 24h (24h alternating wet & dry)	
无铅认证 RoHS Compliant	是 yes	

三. 设备描述 Device Description

天线照片及安装位置

Photo of the antenna and the installation location

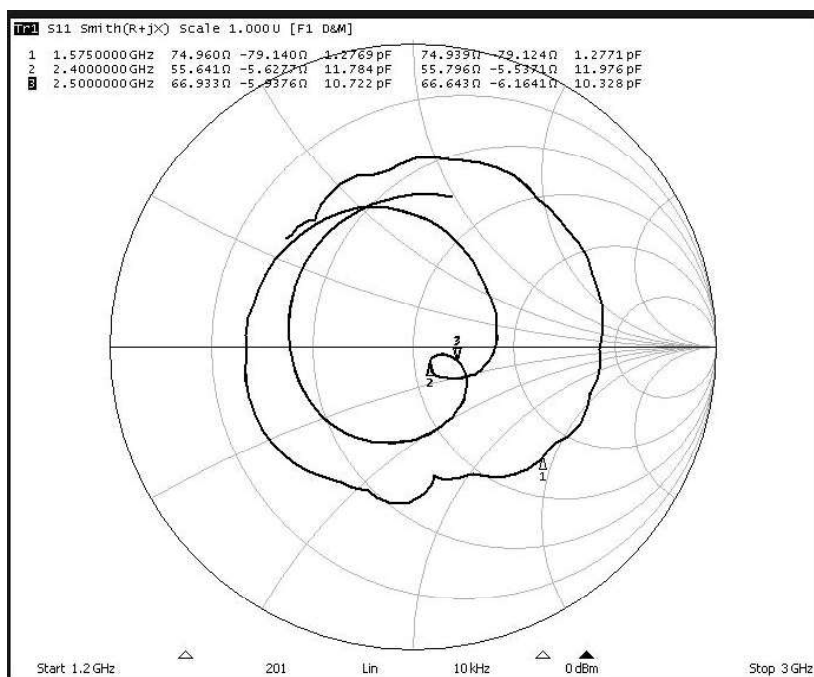
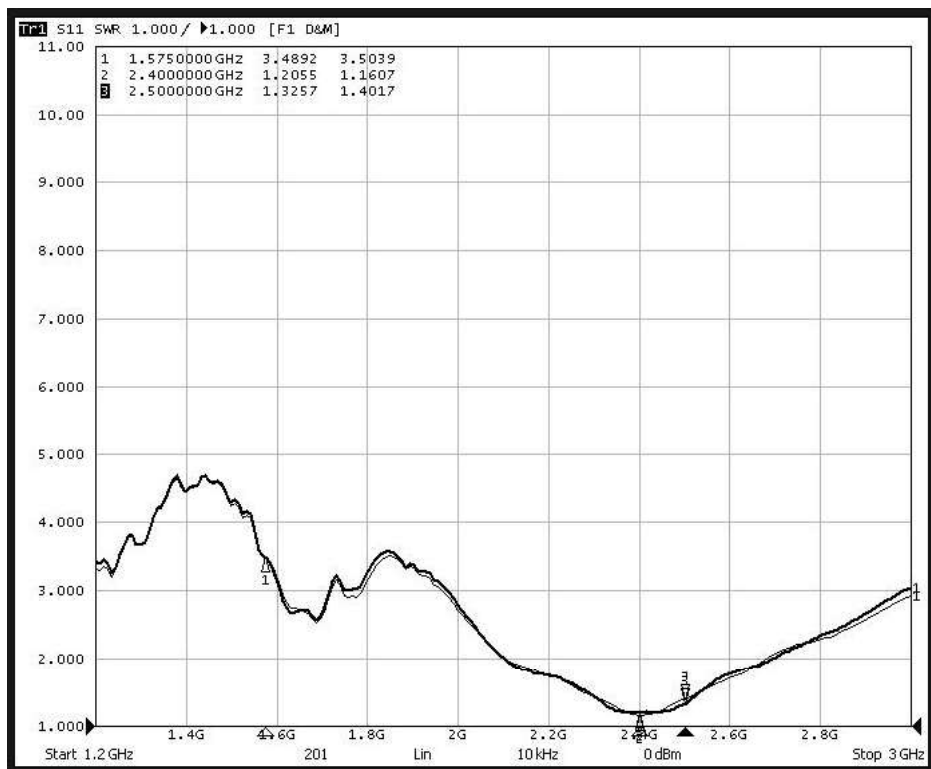


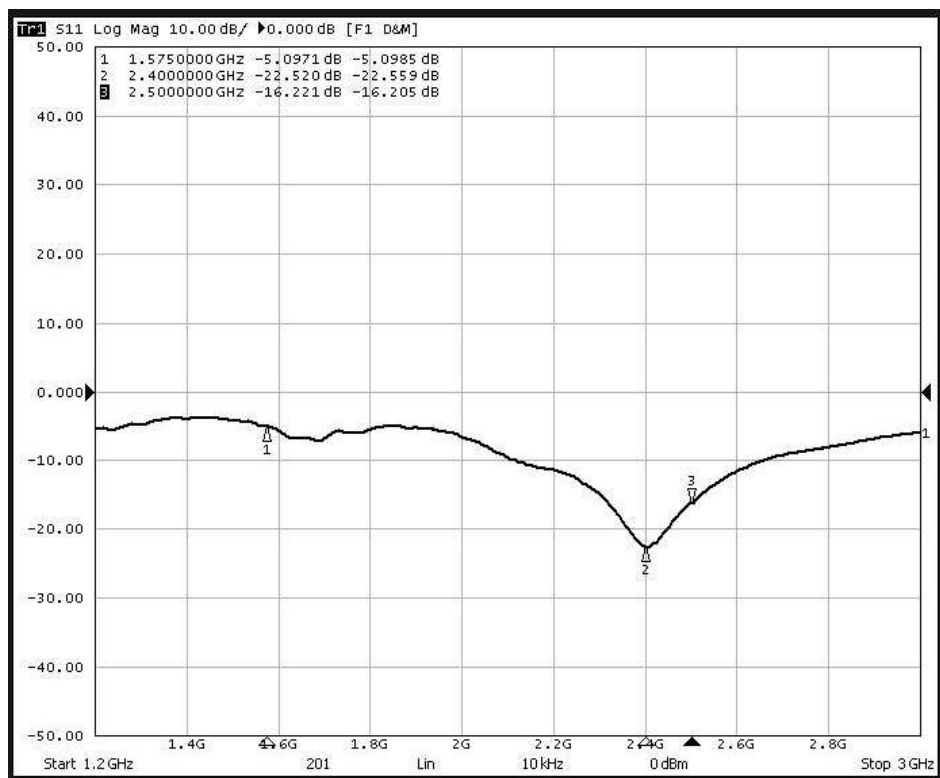
四. 匹配电路 Matching Circuits

匹配电路没有任何改动，按目前样机状态即可。

The matching circuit remains unchanged and can be used as is in the current prototype state.

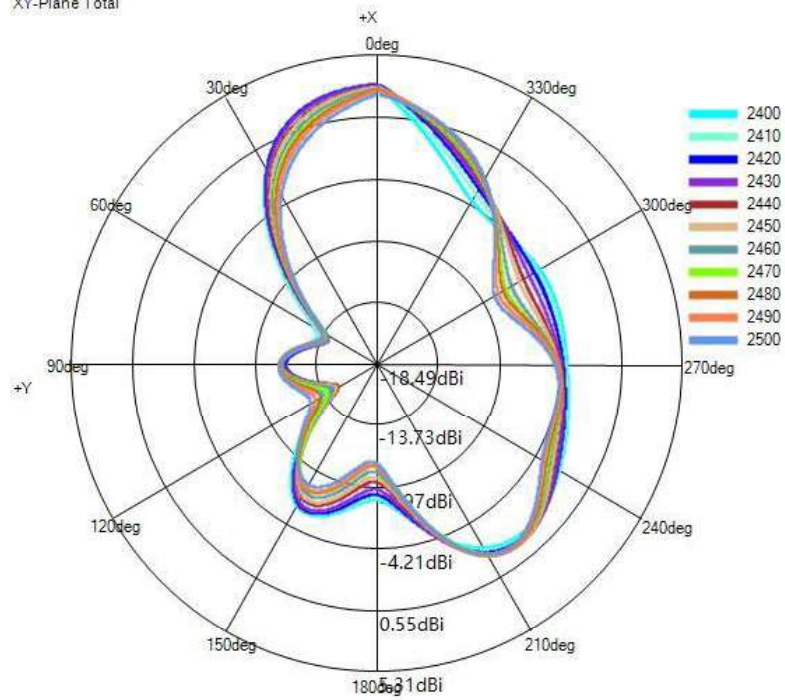
五. 测试数据 Test Tata



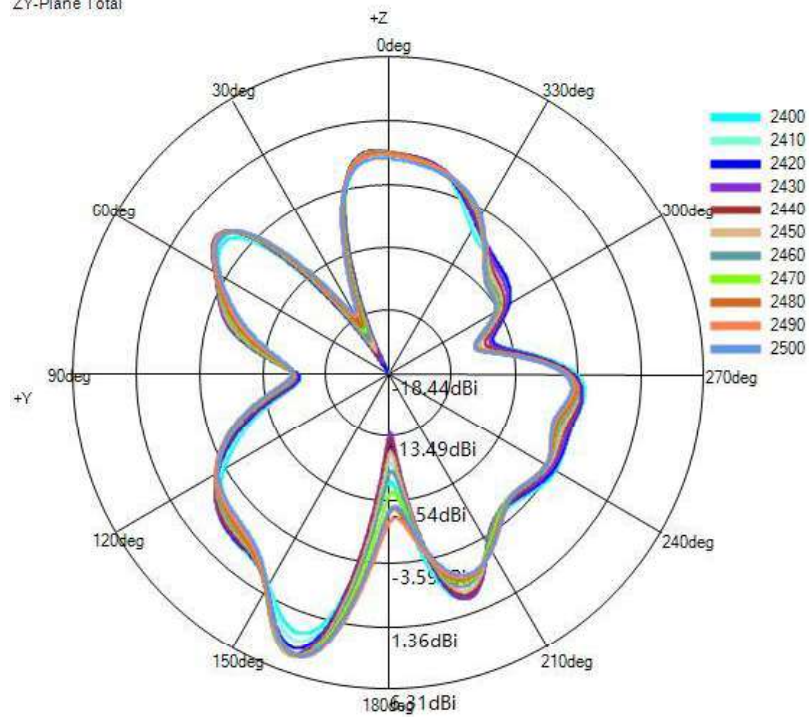


Freq (MHz)	Gain (dBi)	Efficiency (%)
2400	2.68	58.44
2410	2.57	58.98
2420	2.94	60.16
2430	3.23	59.66
2440	3.44	58.89
2450	3.61	58.41
2460	3.74	57.34
2470	3.83	56.72
2480	4.03	57.19
2490	4.15	56.65
2500	4.05	55.02

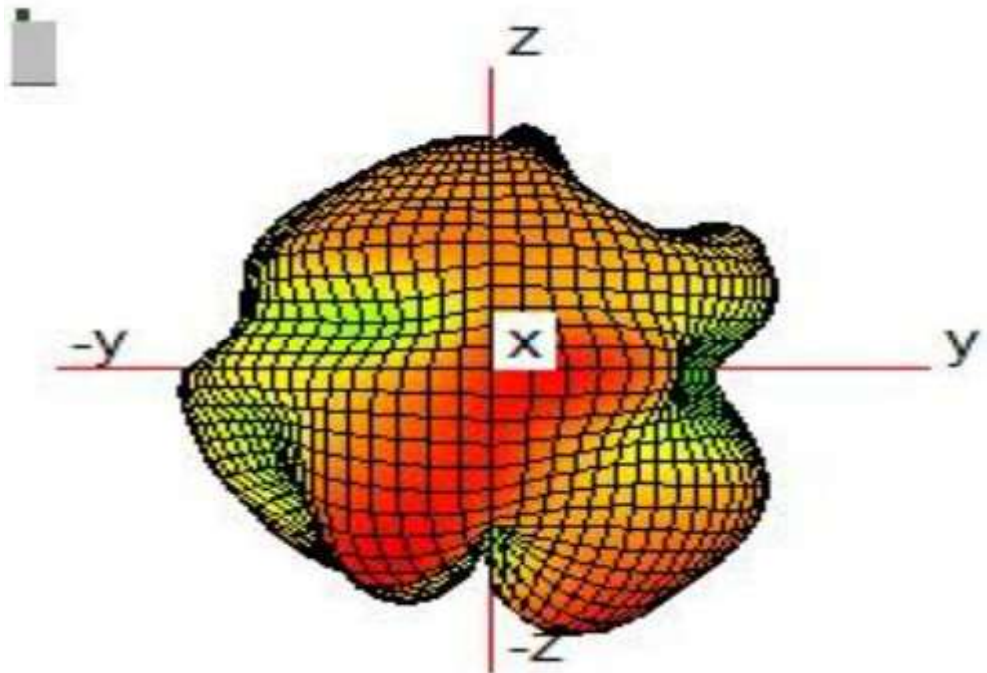
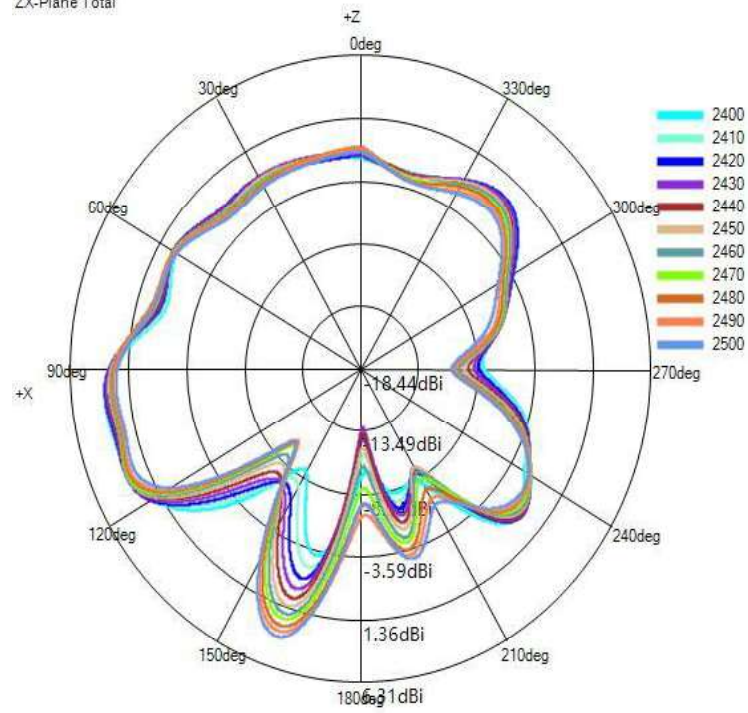
XY-Plane Total

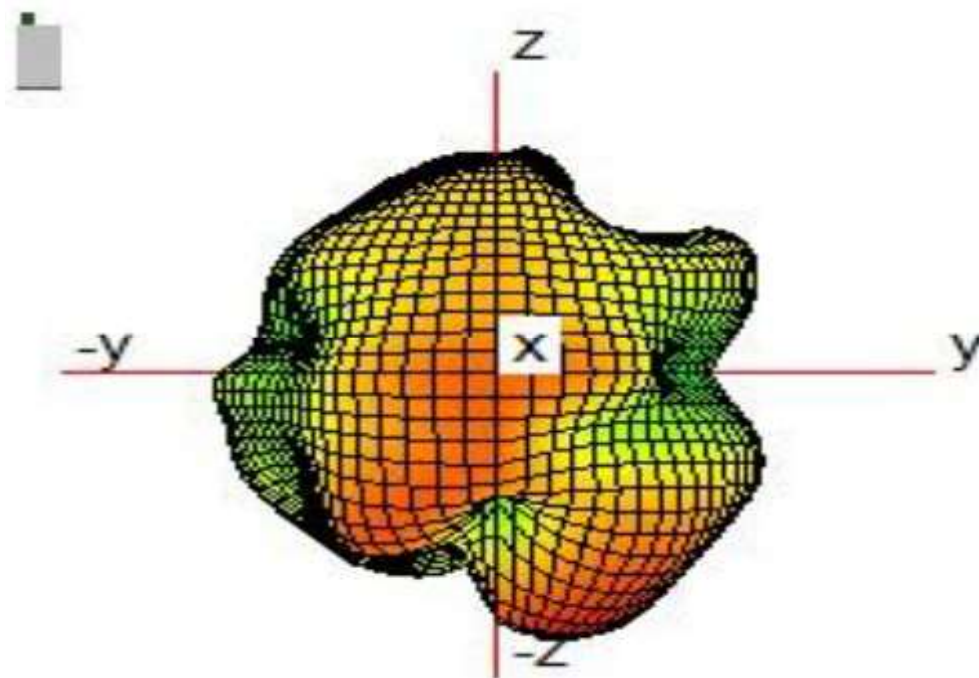
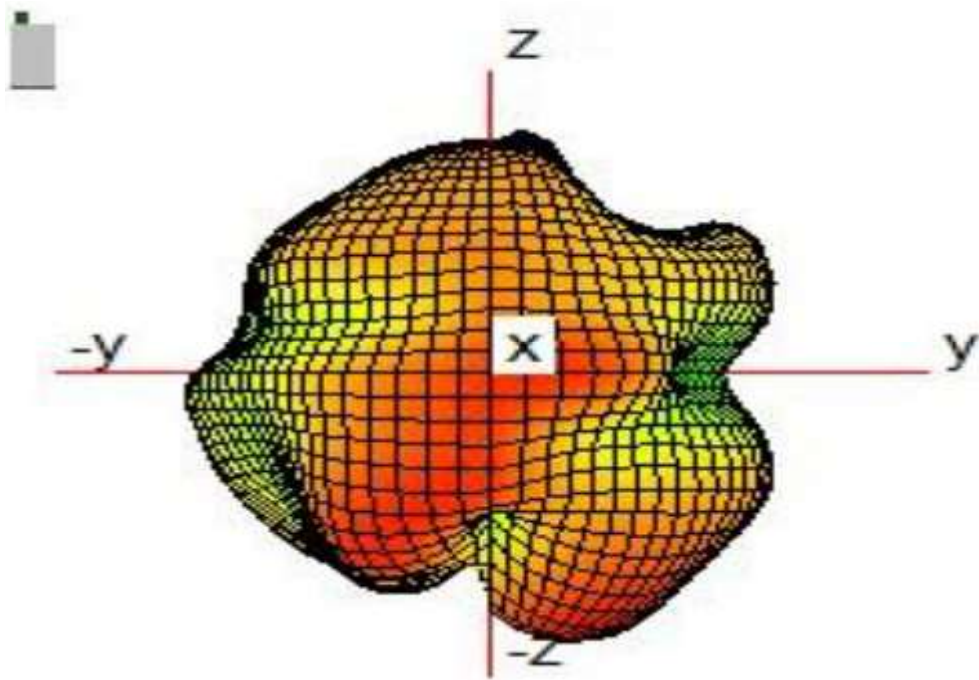


ZY-Plane Total



ZX-Plane Total





测试结论及注意事项：

指标满足 2400-2500MHz 正常天线指标

注意：本天线只适用于调试样机，任何主板版本有变更或者射频物料更改有变动，都必须经过我司测试验证后方可使用。

Test conclusions and precautions:

The index meets the normal antenna index of 2400-2500 MHz Note: This antenna is only applicable to commissioning prototype. For any motherboard version changes or RF material changes, it must be tested and verified before use.

六. 工程图 Engineering Drawing

