客户承认书

SPECIFICATION FOR APPROVAL

CUSTOMER/PROJECT 客户/机型： LANDI

CUSTOMER P.N./ 客户物料号：

PRODUCT NAME./ 物料名称： **WIFI** antenna

MODEL NO./ 物料型号： **5U049D-36**

SPECIFICATION/ 物料规格：

ADD: No.358 Liuyuan RD., Baoshan Urban Industrial District.,Shanghai,PR.China.
地址：上海市宝山城市工业园区柳园路358号2号楼1楼
TEL: +86-21-66276925(26/29/35) - 615

目录 content

1 名词解释/Noun explanation

dBi	Decibel relative isotropic antenna
Tx	Transmit frequency
Rx	Receive frequency
TRP	Total Radiated Power
TIS	Total Isotropic Sensitivity
VSWR	Voltage Standing Wave Ratio
GSM	Global Service for Mobile communication
DCS	Digital Communication System
CDMA	Code Division Multiple Access
WCDMA	Wideband Code Division Multiple Access

2 测试设备/Test equipment

矢量网络分析仪/ network analyzer
综合测试仪/ Agilent8960
SATIMO64 位暗室/ SATIMO64 chamber

3 适用频段/Working frequency band

将适用的频段用其他颜色标出/ The yellow Identification is the using band

制式	频段
WIFI(2.4G)	2412MHz～2483MHz
5.8G	5725MHz～5850MHz
GPS(1.5G)	1556MHz～1580MHz

4 基本测试项目/Test project

4.1 驻波比图/VSWR plot

4.2 史密斯阻抗图/Simth plot

4.3 辐射方向图/Radiation pattern

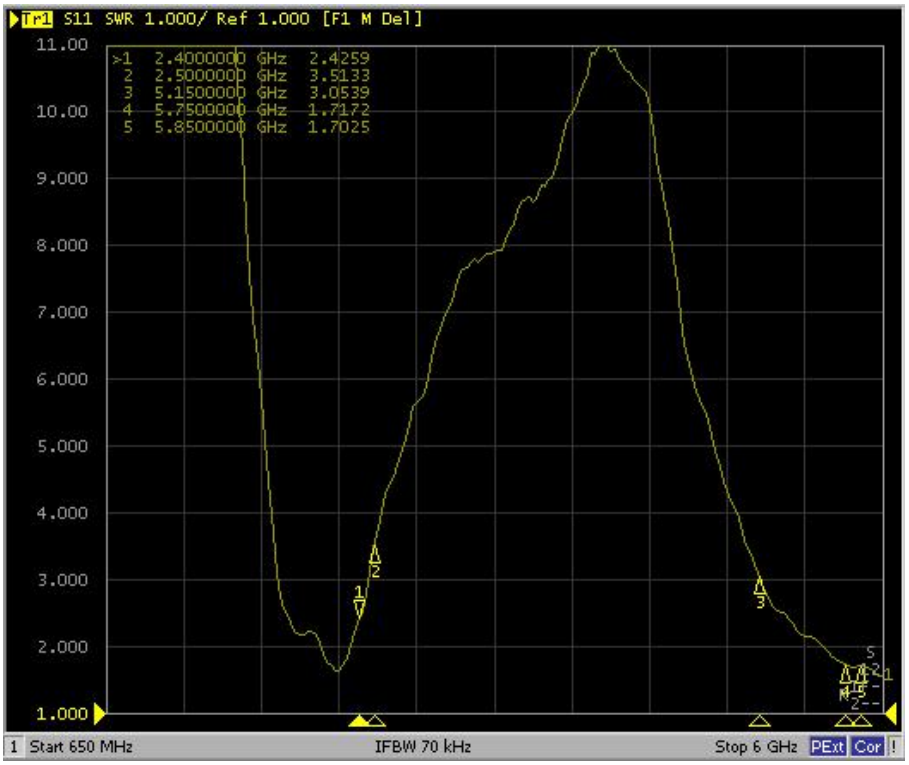
4.4 增益和效率/Gain & Efficiency

4.5 TRP&TIS

5 测试指标和数据图表/Antenna parameter

5.1 驻波比/VSWR

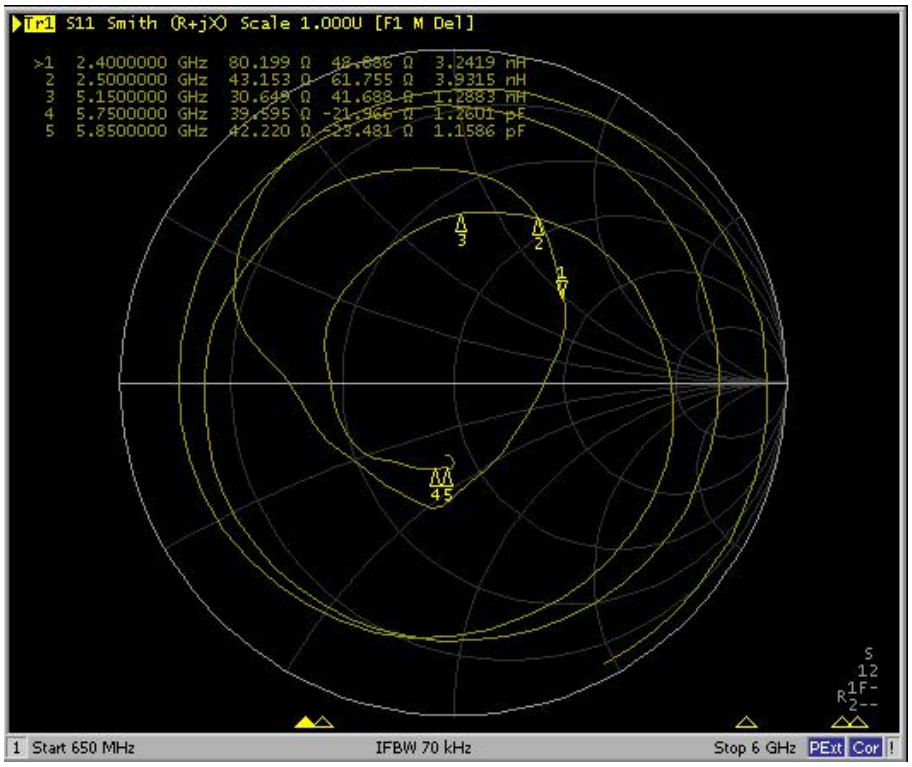
5.1.1 驻波比图/VSWR plot



5.1.2 驻波比数据/VSWR data

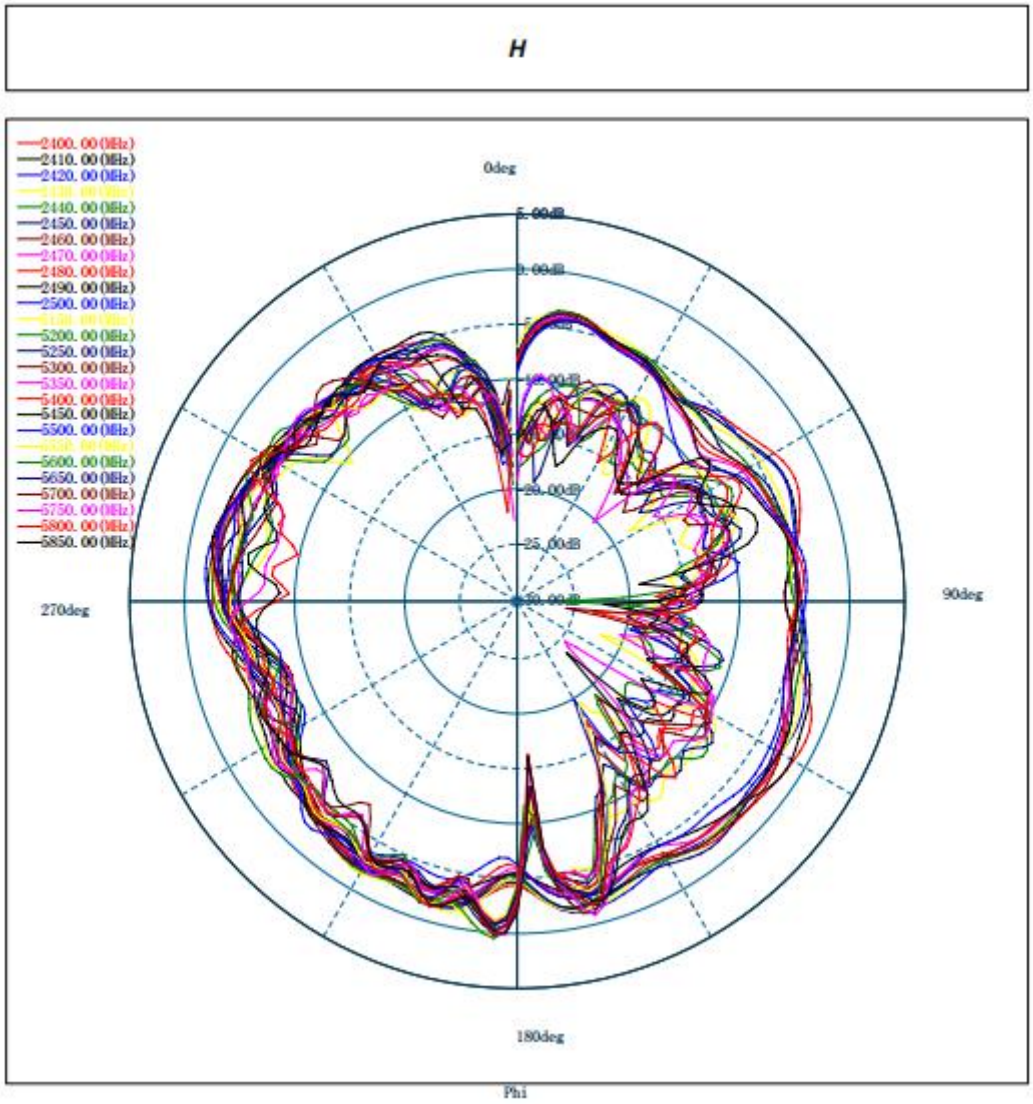
Freq/MHz	2400	2500	5150	5750	5850
VSWR	2.4	3.5	3.0	1.7	1.7

5.2 史密斯阻抗圆图/Simth plot

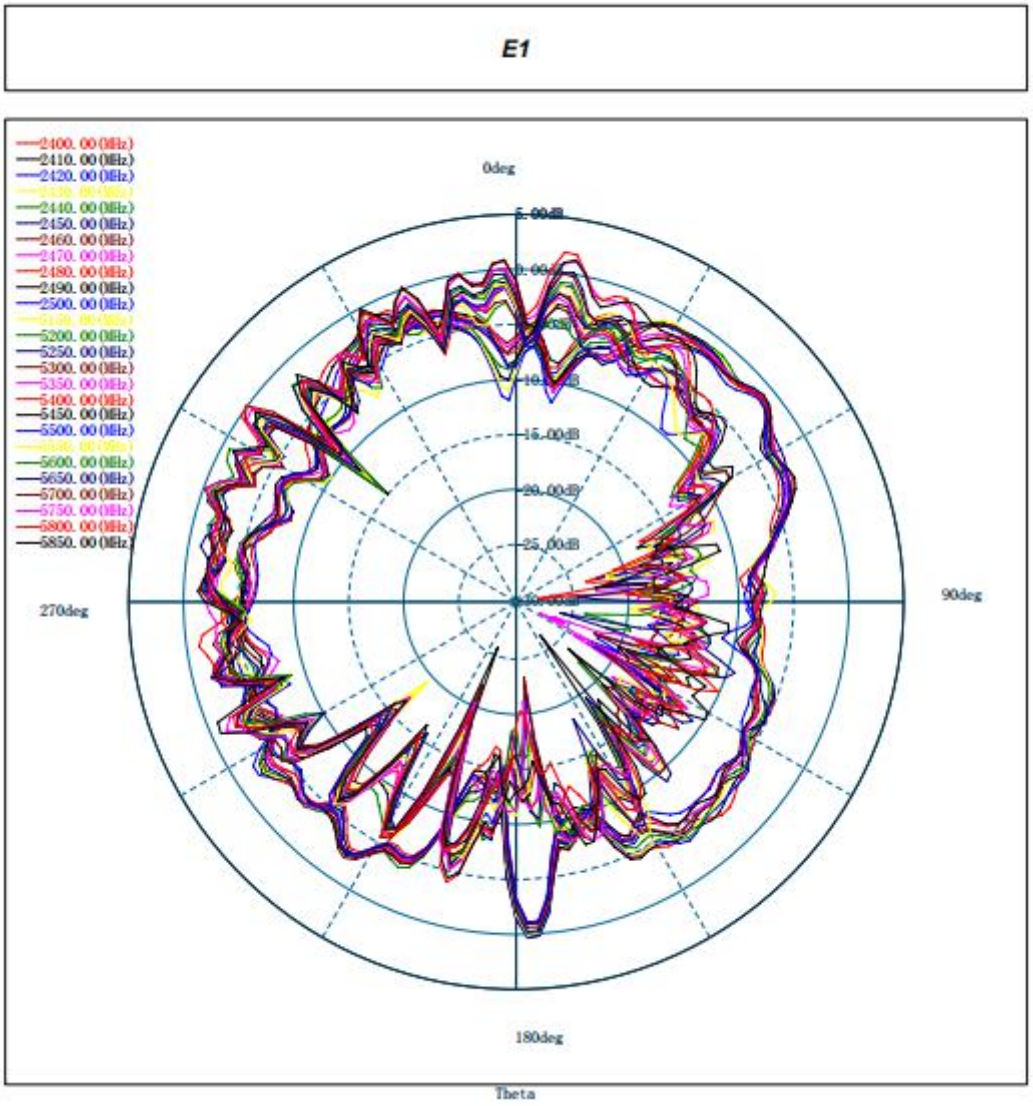


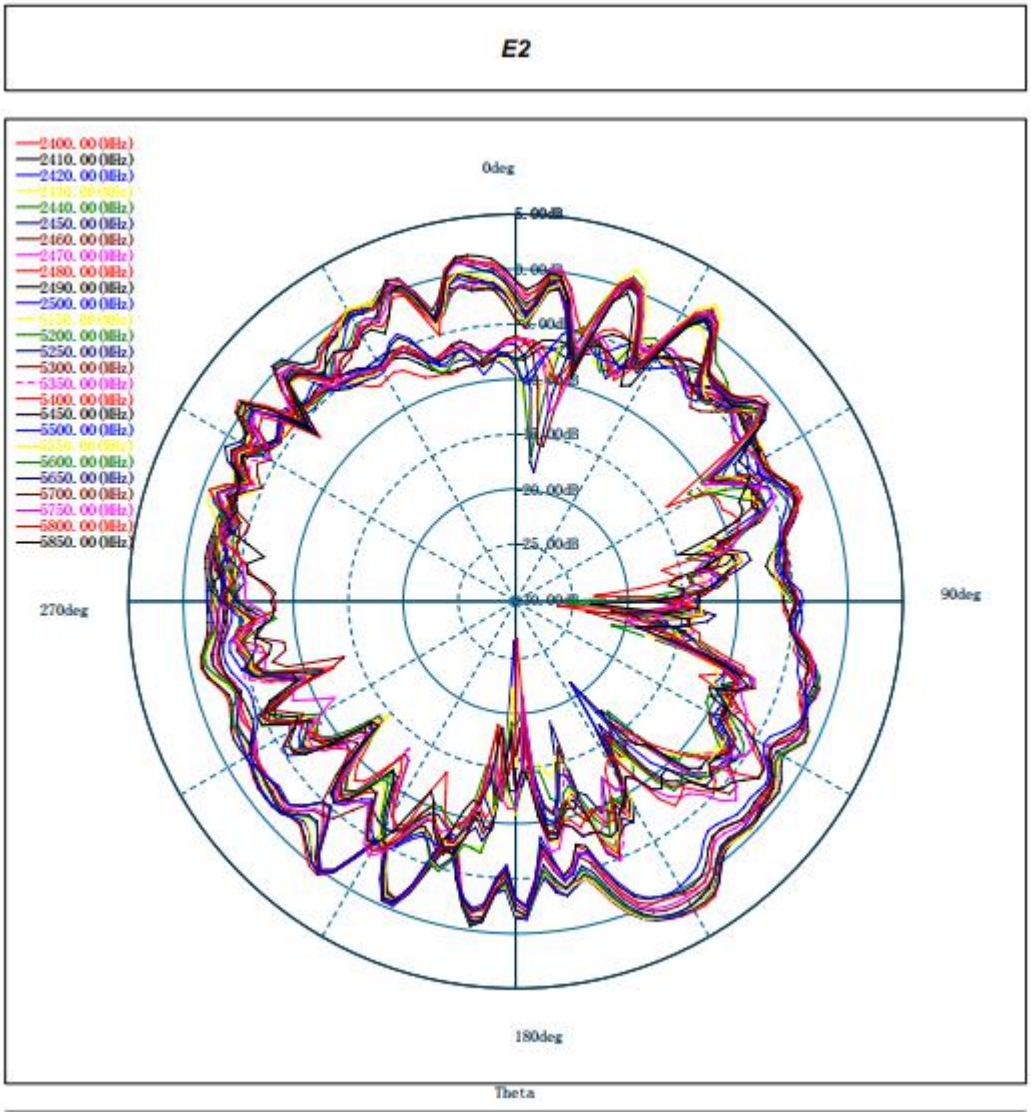
5.3 辐射方向图/Radiation pattern

5.3.1 H-plane



5.3.2 E-plane


E1
2400.00(MHz)
2410.00(MHz)
2420.00(MHz)
2440.00(MHz)
2450.00(MHz)
2460.00(MHz)
2470.00(MHz)
2480.00(MHz)
2490.00(MHz)
2500.00(MHz)
5200.00(MHz)
5250.00(MHz)
5300.00(MHz)
5350.00(MHz)
5400.00(MHz)
5450.00(MHz)
5500.00(MHz)
5600.00(MHz)
5650.00(MHz)
5700.00(MHz)
5750.00(MHz)
5800.00(MHz)
5850.00(MHz)
0deg
90deg
180deg
270deg
15.00dB
20.00dB
25.00dB
Theta


E2
2400.00(MHz)
2410.00(MHz)
2420.00(MHz)
2440.00(MHz)
2450.00(MHz)
2460.00(MHz)
2470.00(MHz)
2480.00(MHz)
2490.00(MHz)
2500.00(MHz)
5200.00(MHz)
5250.00(MHz)
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5600.00(MHz)
5650.00(MHz)
5700.00(MHz)
5750.00(MHz)
5800.00(MHz)
5850.00(MHz)
0deg
90deg
180deg
270deg
5.00dB
20.00dB
25.00dB
Theta

5.4 增益和效率/UGain & Efficiency

Frequency [Hz]	Efficiency	Gain [dBi]
2400000000	52%	3.378485794
2410000000	51%	3.140966074
2420000000	49%	3.118117745
2430000000	47%	2.940902532
2440000000	46%	2.734951515
2450000000	45%	2.798895714
2460000000	43%	2.508423814
2470000000	42%	1.950861296
2480000000	40%	1.864083666
2490000000	40%	1.70368439
2500000000	38%	1.362821189
5150000000	32%	2.994235871
5200000000	31%	2.711934501
5250000000	31%	2.26920747
5300000000	30%	2.281378418
5350000000	29%	2.119658151
5400000000	29%	2.080304449
5450000000	30%	2.382967718
5500000000	30%	2.05153548
5550000000	30%	2.596035391
5600000000	30%	2.729212035
5650000000	31%	2.933107148
5700000000	31%	3.284710267
5750000000	32%	3.373227216
5800000000	33%	4.059148021
5850000000	32%	4.024124712

6 环境处理建议/Environmental treatment suggestions

环境不需要做处理/Environment does not need to be handled

7 阻抗匹配要求/Impedance matching

匹配电路没有修改/ ***The matching circuit has not been changed***

8 天线外形图/Antenna plan