

产 品 规 格 书

PRODUCT SPECIFICATION SHEET

客 户 名 称: _____

产 品 名 称: _____ WiFi Antenna L=100mm IPEX

产 品 料 号 : _____ LY-P05-100

客 户 料 号: _____

送 样 日 期: _____ 2022-12-03

工程确认:

核准	工程	制作	签章
Approval	Quality	Engineer	

客户确认:

核准	研发	品质	签章
确认结果: ☐ 合格 ☐ 不合格 ☐ 其它			

Recognition letter project list

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Real picture (front view)



Physical picture (reverse side)



RF Antenna Cable Assembly

Specification

1. Electrical Properties

1.1 Frequency Range.....2.4-2.5&5.15-5.85GHz

1.2 Impedance.....50 Ω Nominal

1.3 VSWR.....2:1MAX

1.4 Return Loss.....-10dB Max

1.5 Gain(peak)2dBi

1.6 Polarization.....Vertical

1.7 Admitted Power.....2W

1.8 Cable.....0. D 1.13mm Black

1.9 Conn.....IPEX 1

2. Physical Properties:

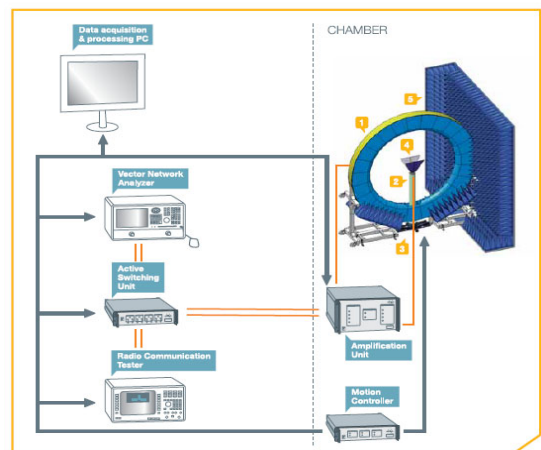
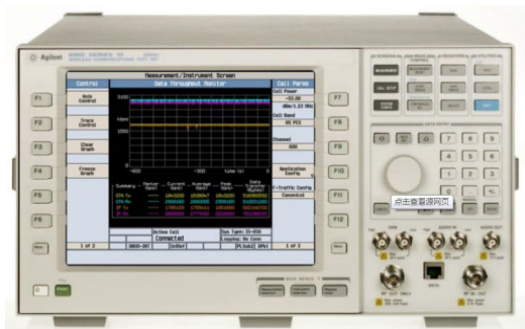
2.1 Antenna Material..... FPC/Cu

2.4 Operating Temp.....-40 $^{\circ}$ C- +80 $^{\circ}$ C

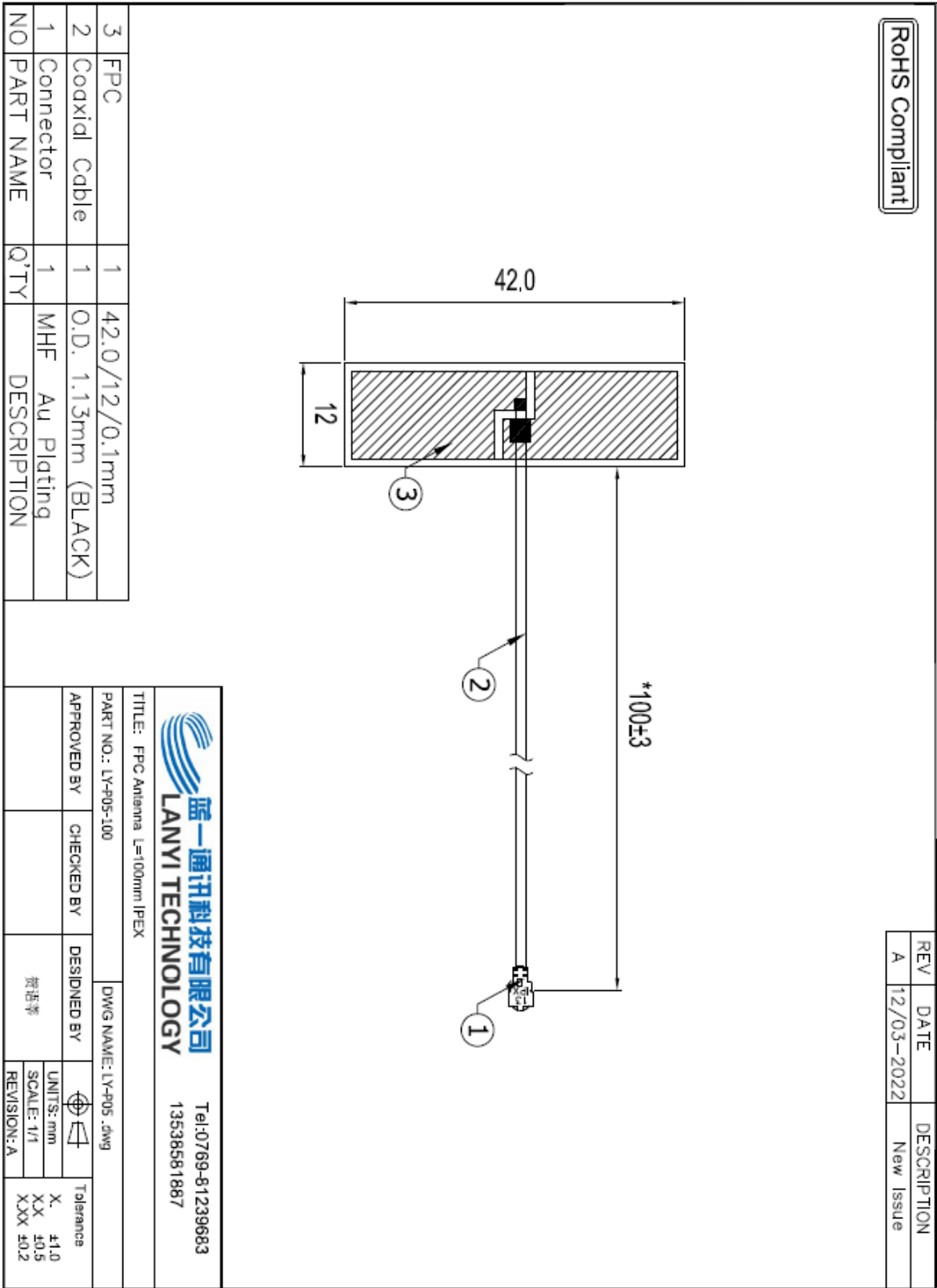
Testing equipment

The test environment for our company's products is the SATIMO SG24 3D anechoic chamber.

The equipment used is Agilent E5017B network analyzer and 8960 comprehensive tester.



Structural dimension drawing

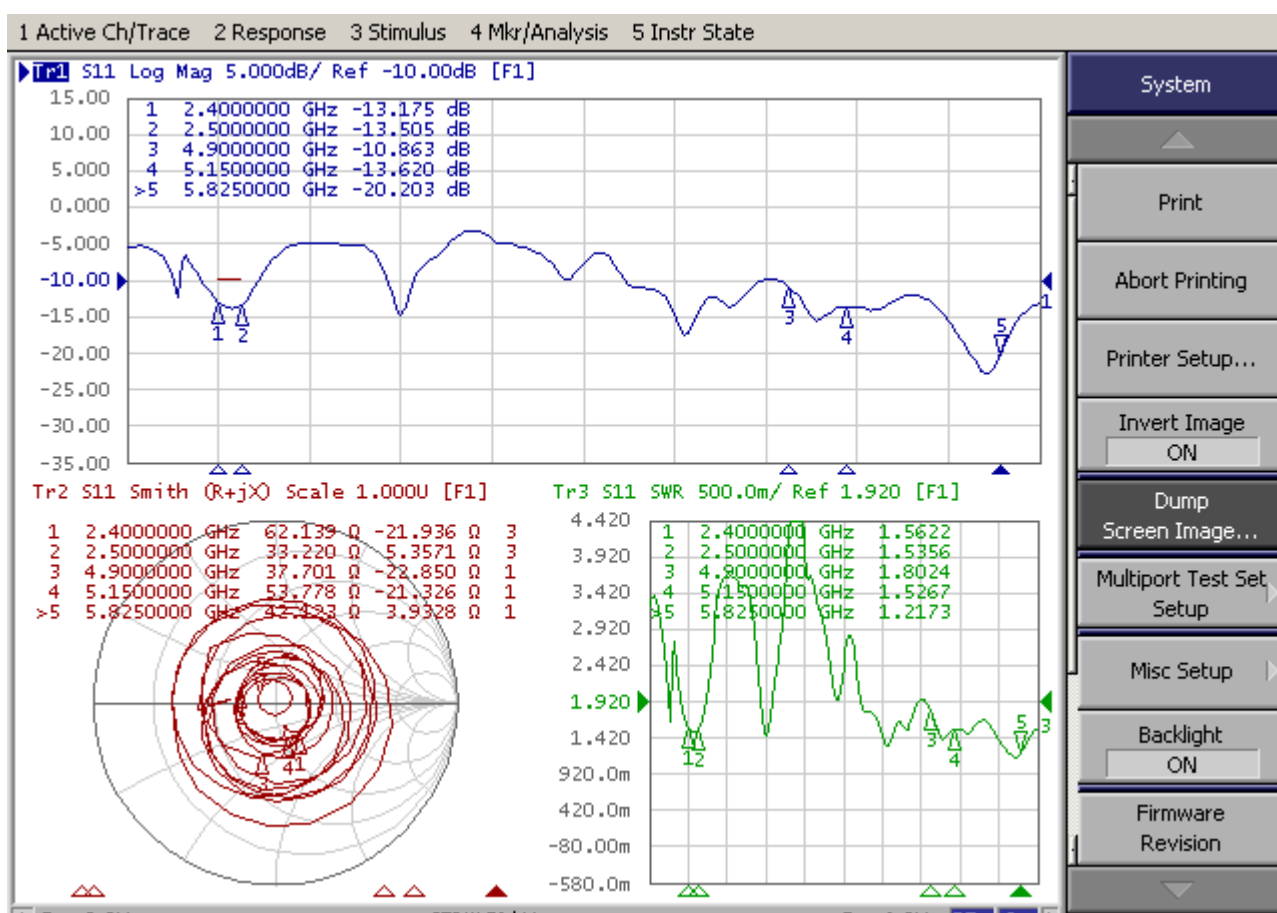


Environmental and reliability experiments

Project	Experimental conditions	Performance requirements	Test/experimental equipment
低温储存	温度-30℃±2℃/湿度0%/RH/时间48H	试验后外观及功能测试无影响	恒温恒湿试验机
高温高湿储存	温度70℃,湿度90~95%/RH 时间48H	试验后外观及功能测试无影响	恒温恒湿试验机
温度冲击	产品环境: -35℃放置2H 转入80℃放置2H, 共进行12个循环48H	试验后外观及功能测试无影响	冷热冲击试验机

Test data

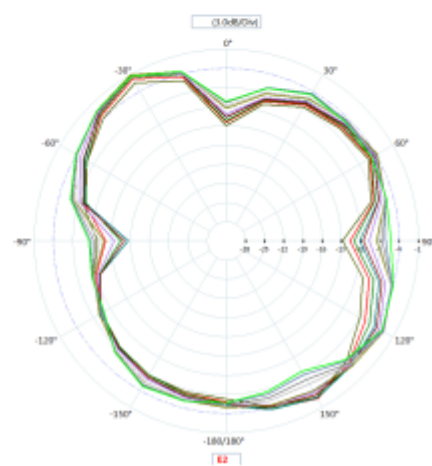
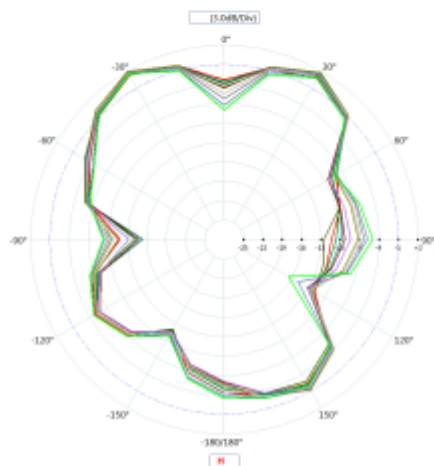
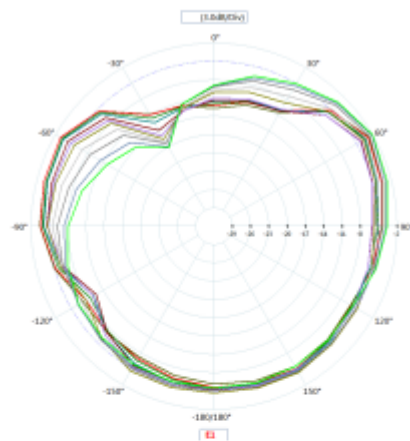
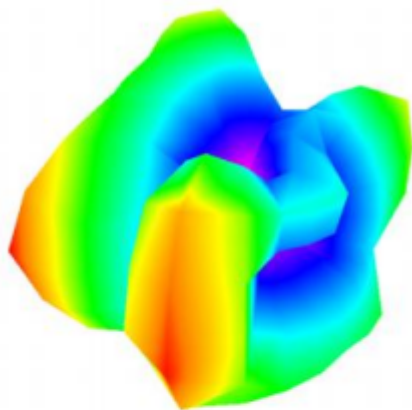
Return loss to standing wave ratio



Passive Data

Freq (MHz)	Effi(%)	Gain (dBi)
2400	43.28	1.15
2450	42.07	1.20
2500	40.24	1.02
5150	59.84	4.01
5350	53.95	3.55
5500	50.36	3.54
5650	52.45	3.49
5750	51.54	3.55
5850	50.58	3.48

Field Plot
2.4G



Field Plot
5.8G

