Global Intelligent Platform

Antenna
Test Datasheet

YLB1 Antenna test datasheet

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Product Name:	YLB1
Antenna Type:	PCB antenna
Writer:	Fangbing zhong
Maximum	Gain：0.2dBi
	Efficiency:36.98%

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Appendix E EUT Photo .....错误！未定义书签。

1. General Description

EUT Name	YLB1 Antenna
Wireless type	Bluetooth
Antenna Type	PCB antenna
Dimensions	Appendix A

2. Technical Information

Frequency Range	2402MHz~2480MHz
Test Frequency	2400,2410.....2500MHz

3. Test Standards

Identity	Document Title
IEEE 149-1979	IEEE Standard Test Procedures for Antennas

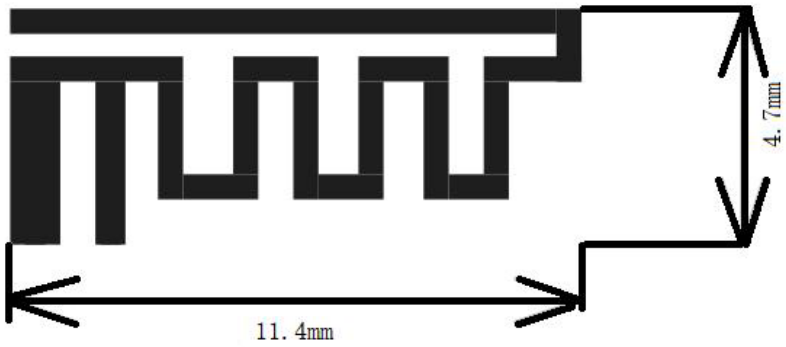
4. Test Item

Datasheet Section	Description
Appendix B	S11/VSWR
Appendix C	Gain and Efficiency
Appendix D	Radiation Pattern（1D and 3D）

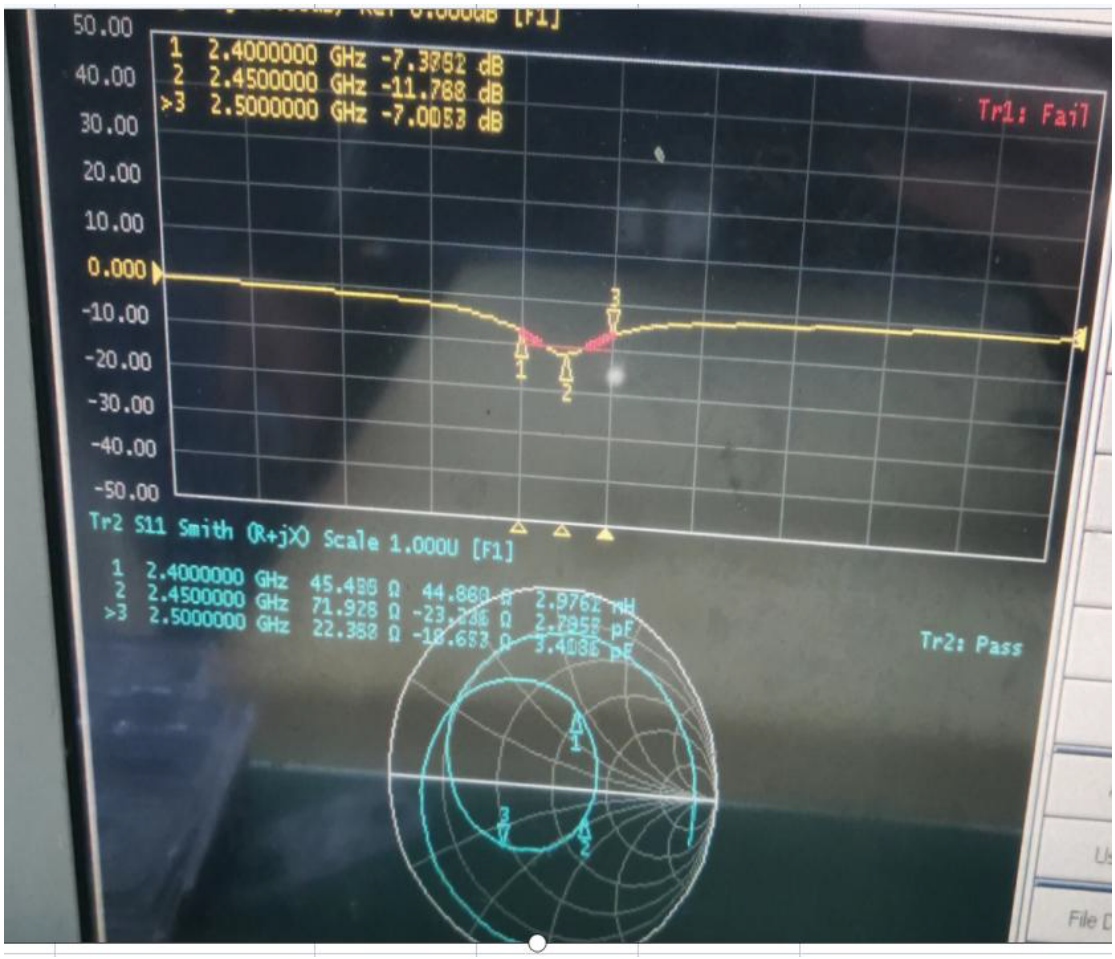
5. Test Photo

Datasheet Section	Description
Appendix E	Test Setup Photo

Appendix A Antenna Dimension



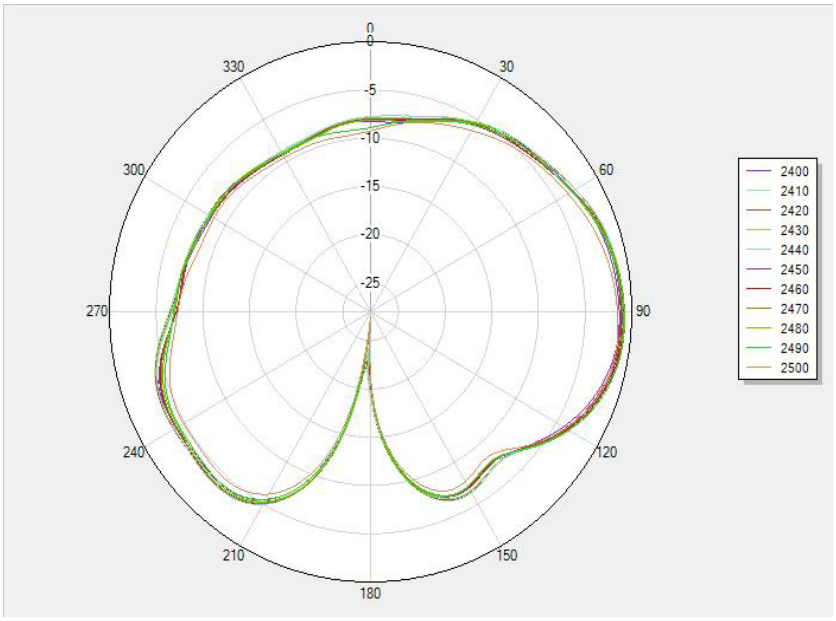
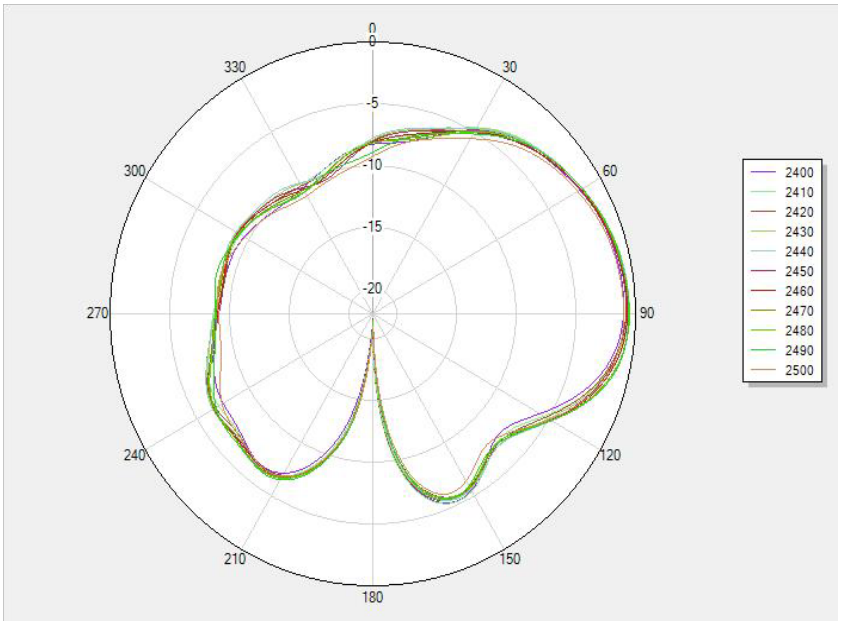
Appendix B S11/VSWR



Frequency (MHz)	2400	2450	2500
Return Loss	-7.37	-11.76	-7
VSWR	2.9	1.6	2.9

Appendix C Gain and Efficiency

Frequency (MHz)	Efficiency(%)	Gain（dBi）
2400	35.08%	-0.23
2410	36.56%	-0.01
2420	35.56%	-0.1
2430	36.56%	0.02
2440	36.98%	0.2
2450	35.56%	-0.05
2460	35.16%	0.04
2470	35.16%	0.17
2480	35.81%	0.13

2490	34.75%	0.15
2500	32.28%	-0.31

Appendix D Radiation Pattern(1D and 3D)