

Antenna
Test Report

BT3L Antenna test report

Version 1.0.0

Date: 2020-05-12

NO: 0000000001

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Inside

Product Name:	BT3L
Antenna Type:	Line antenna
Writer:	Yinhua Zhang
Maximum	Gain: 0.65 dBi
	Efficiency:62.86%

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1. General Description

EUT Name	BT Antenna
Wireless type	Bluetooth
Antenna Type	Line antenna
Dimensions	Appendix A
Manufacture	LEZHOU INTELLIGENT TECHNOLOGY CO.,LTD
Address	TUQU INDUSTRIAL ZONE NO.1 ROAD 6,CHENGHAI, SHANTOU, GUANGDONG, CHINA

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

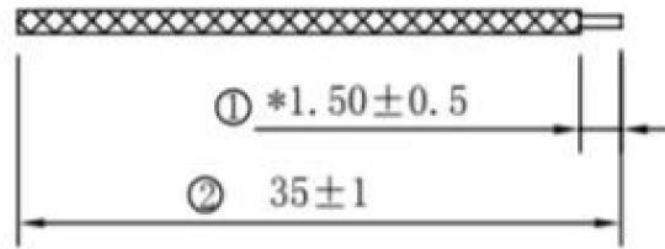
4. Test Item

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

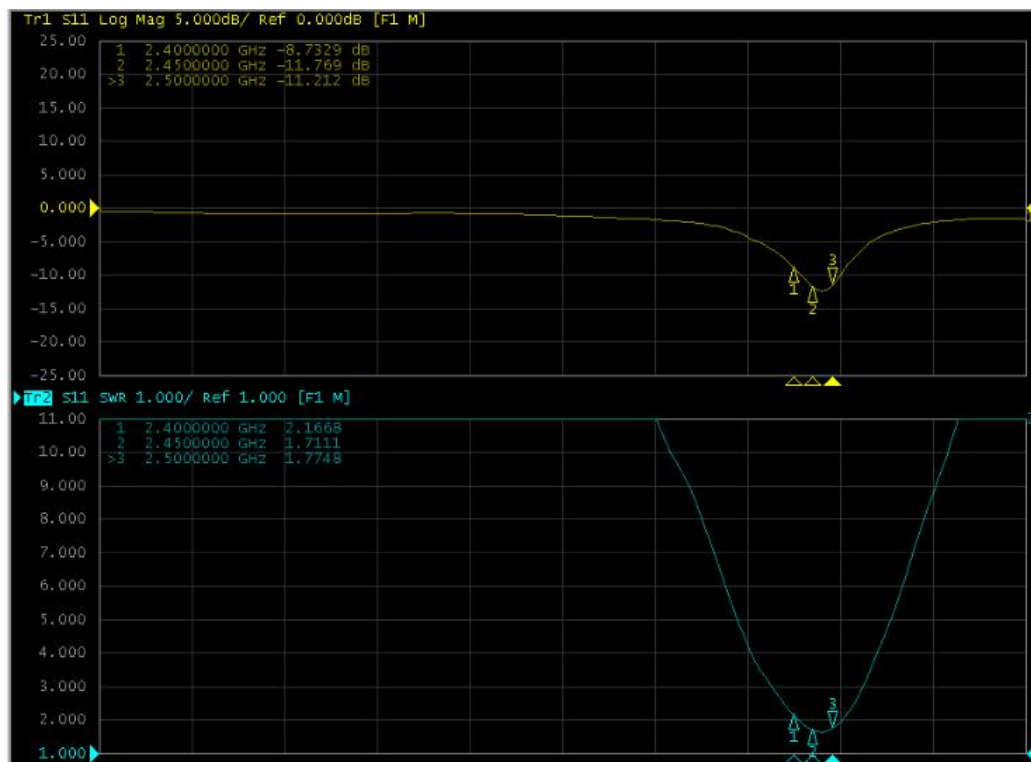
5. Test Photo

Report Section	Description
Appendix E	Test Setup Photo

Appendix A Antenna Dimension



Appendix B S11/VSWR



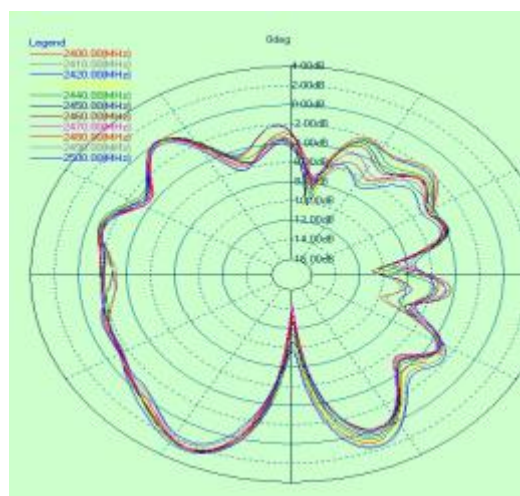
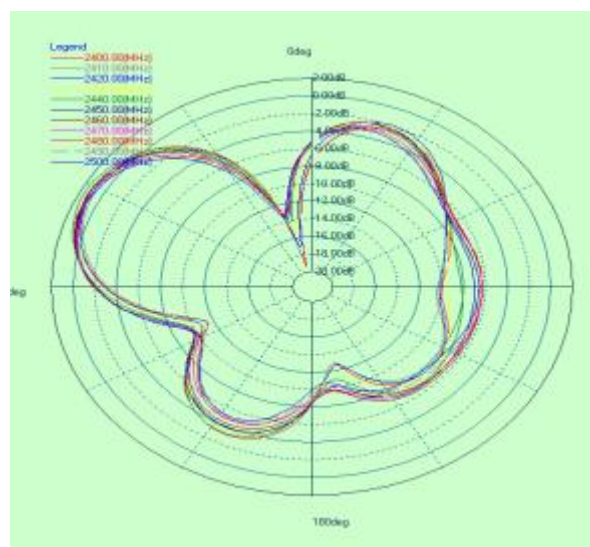
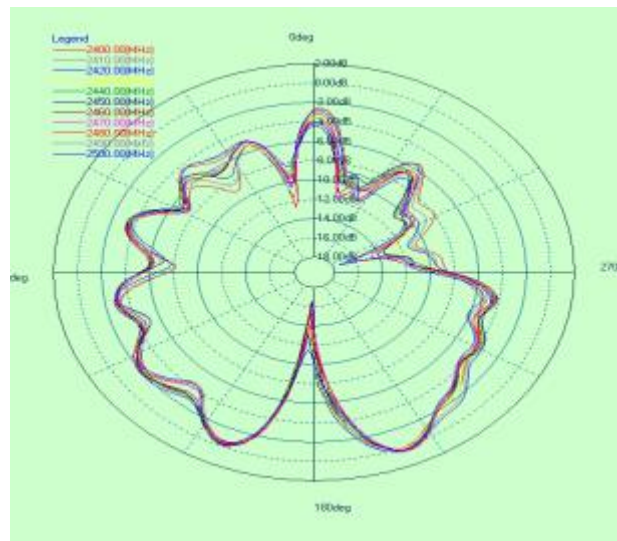
Frequency (MHz)	2400	2450	2500
Return Loss	-8.73	-11.76	-11.21
VSWR	-2.16	-1.71	-1.77

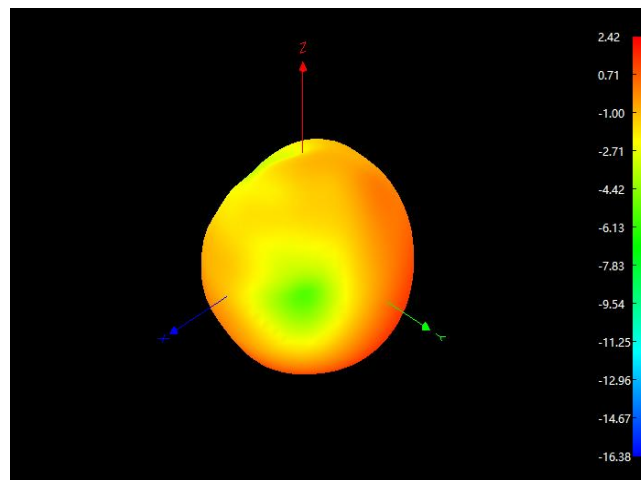
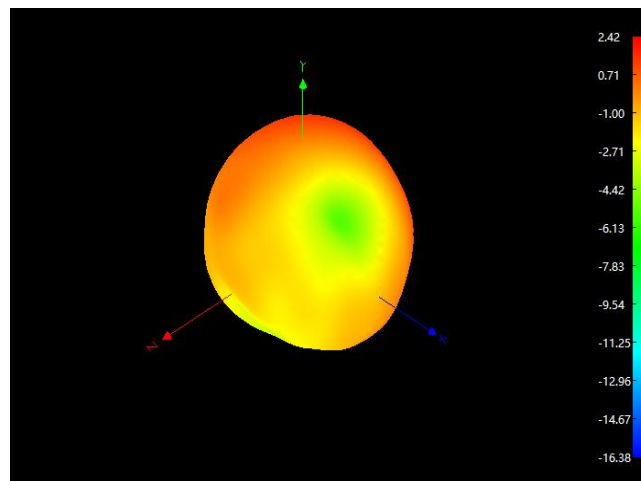
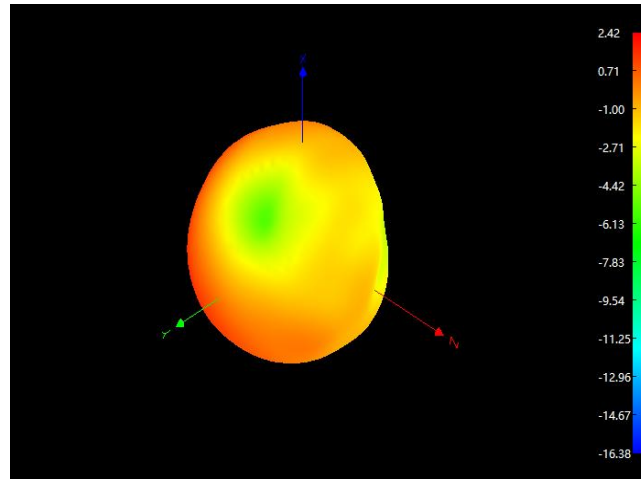


Appendix C Gain and Efficiency

Frequency (MHz)	Efficiency(%)	Gain (dBi)
2400	52.29%	-0.62
2410	52.17%	-0.71
2420	53.14%	-0.93
2430	54.16%	-0.98
2440	57.62%	0.65
2450	59.64%	-1.17
2460	61.55%	-1.45
2470	60.64%	-1.38
2480	62.86%	-0.15
2490	59.85%	-0.30
2500	60.41%	-0.49

Appendix D Radiation Pattern(1D and 3D)





Appendix E Test Setup Photo

