



Antenna Specification

Manufacture: Hangzhou Tuya Information Technology Co.,Ltd

Product Name: CB3S Antenna

Antenna Type: PCB

Test Date: 2021.04.16

Tested by: Jianwei Wang

Approved by: Licco

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1. General Description

EUT Name	CB3S Antenna
Wireless type	WIFI
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

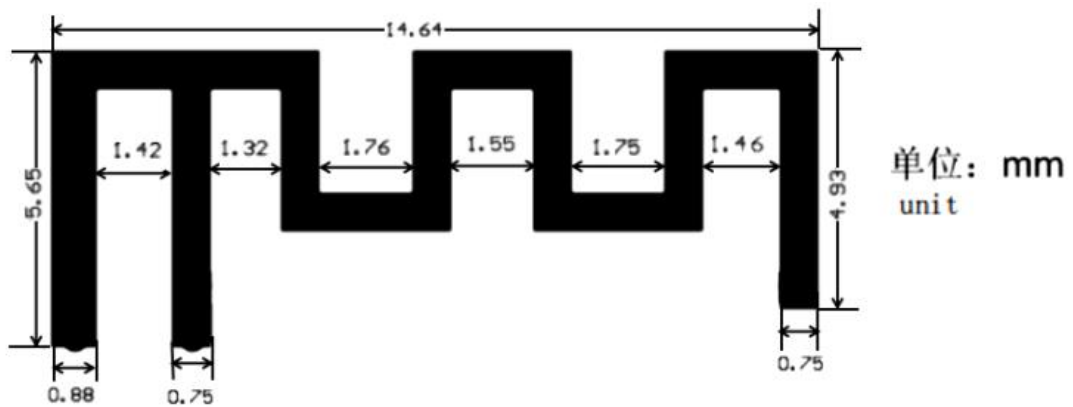
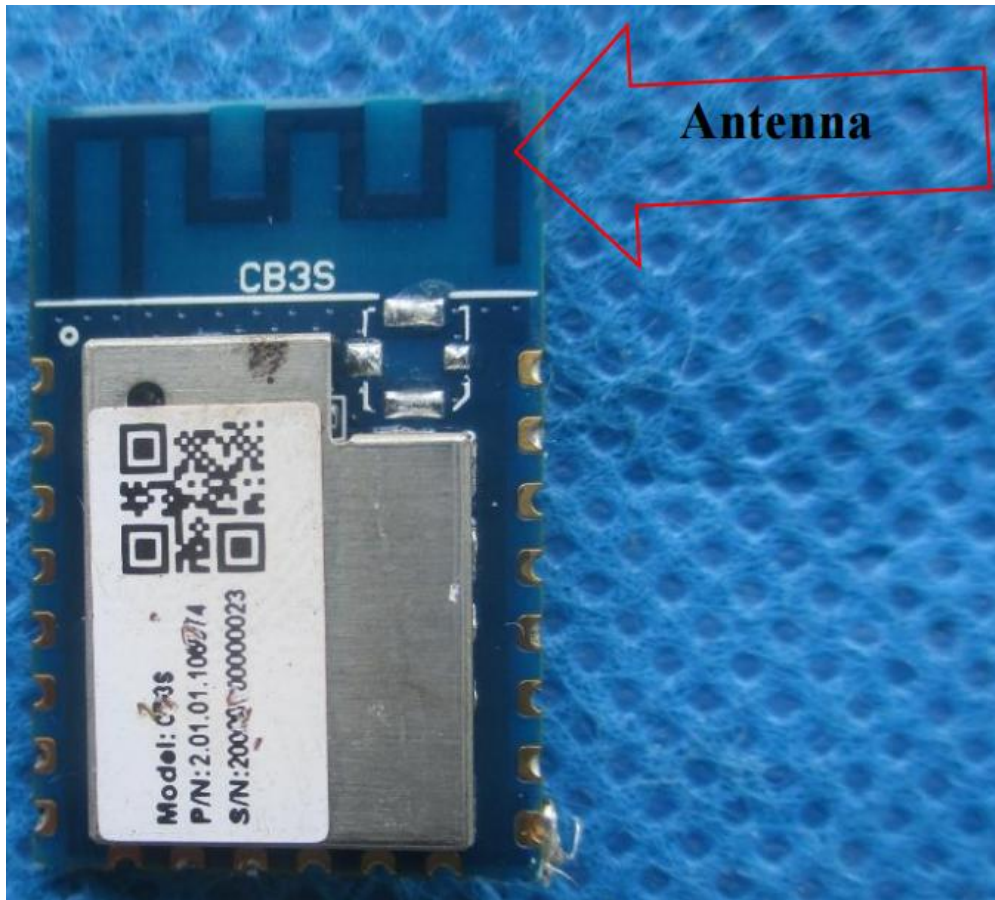
4. Test Item

Specification Section	Description
Appendix B	S11/VSWR
Appendix C	Gain and Efficiency
Appendix D	Radiation Pattern

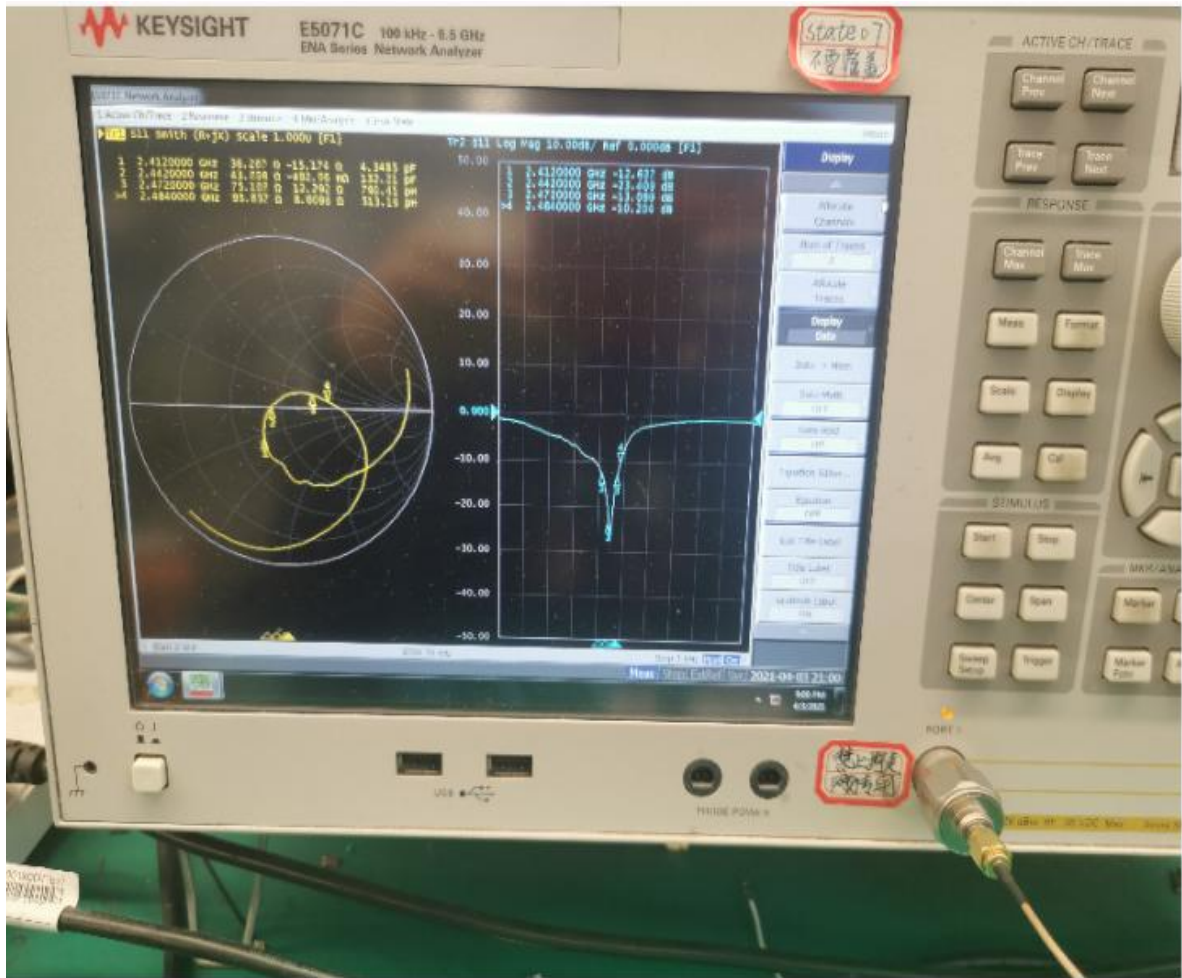
5. Test Photo

Specification Section	Description
Appendix E	Test Setup Photo

Appendix A Dimensions



Appendix B S11/VSWR



Frequency (MHz)	2400	2450	2500
Return Loss (dB)	-12	-23	-13

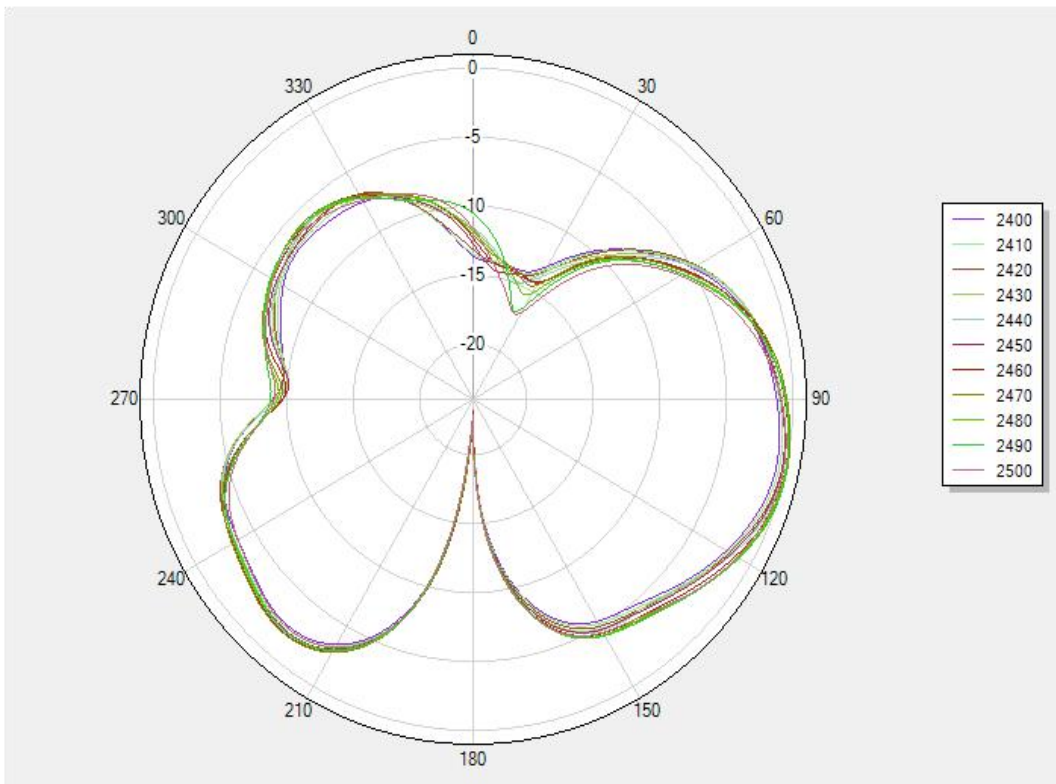
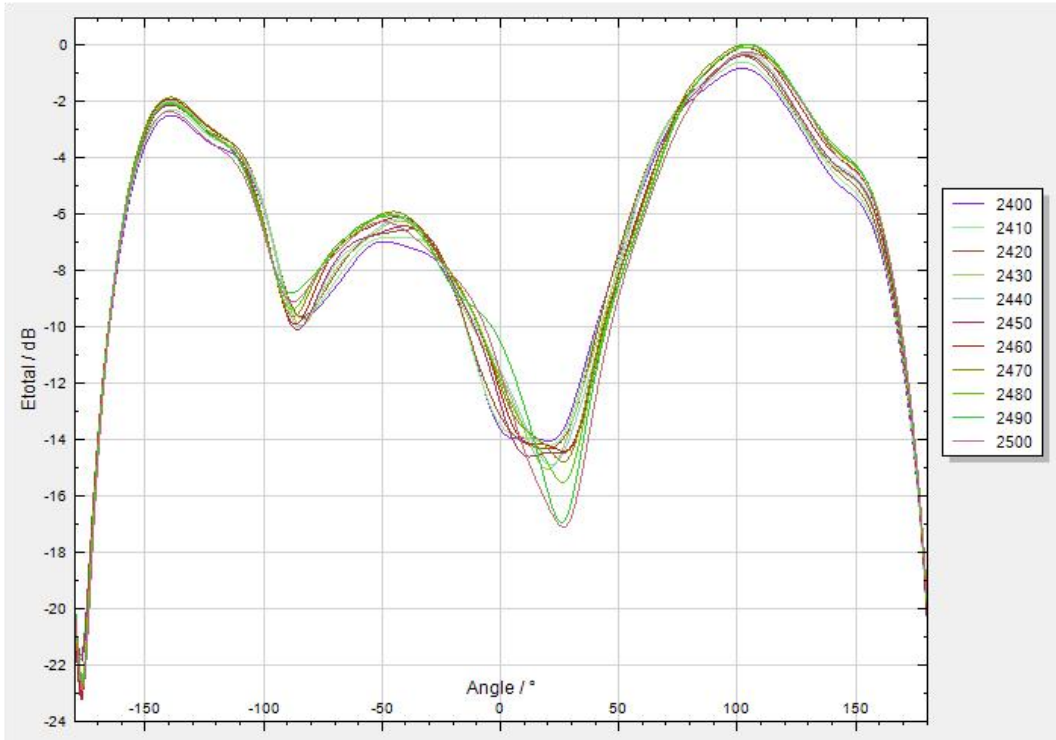


Appendix C Gain and Efficiency

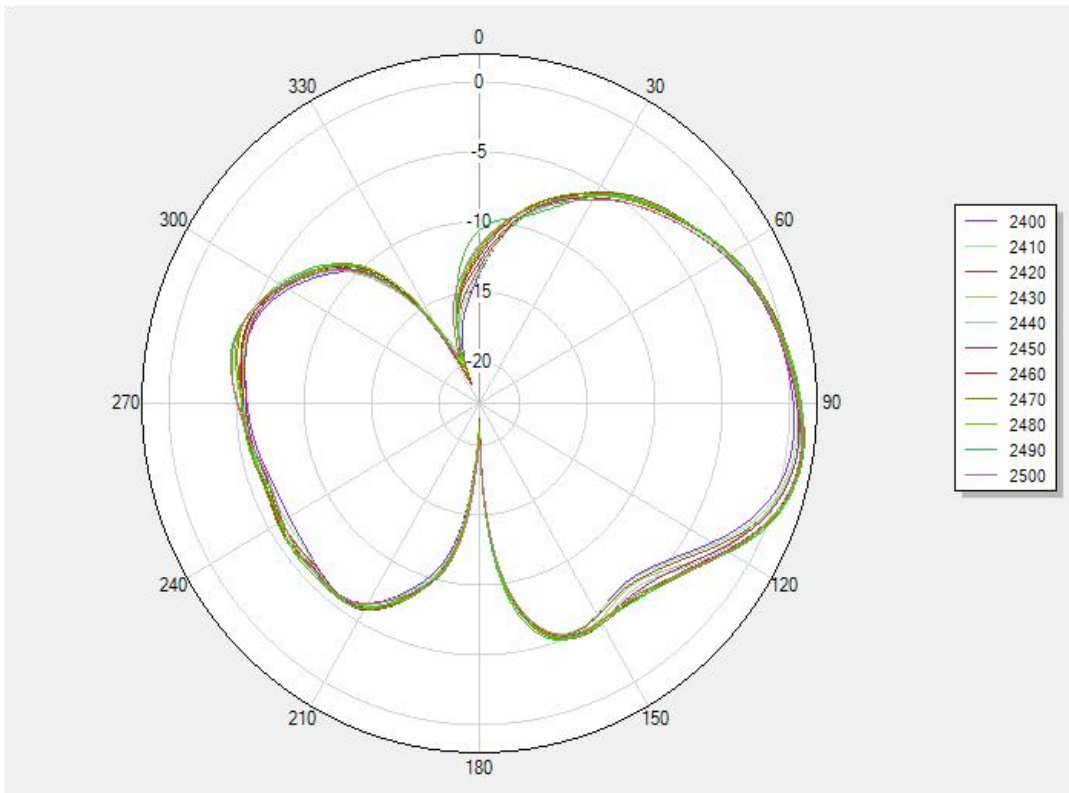
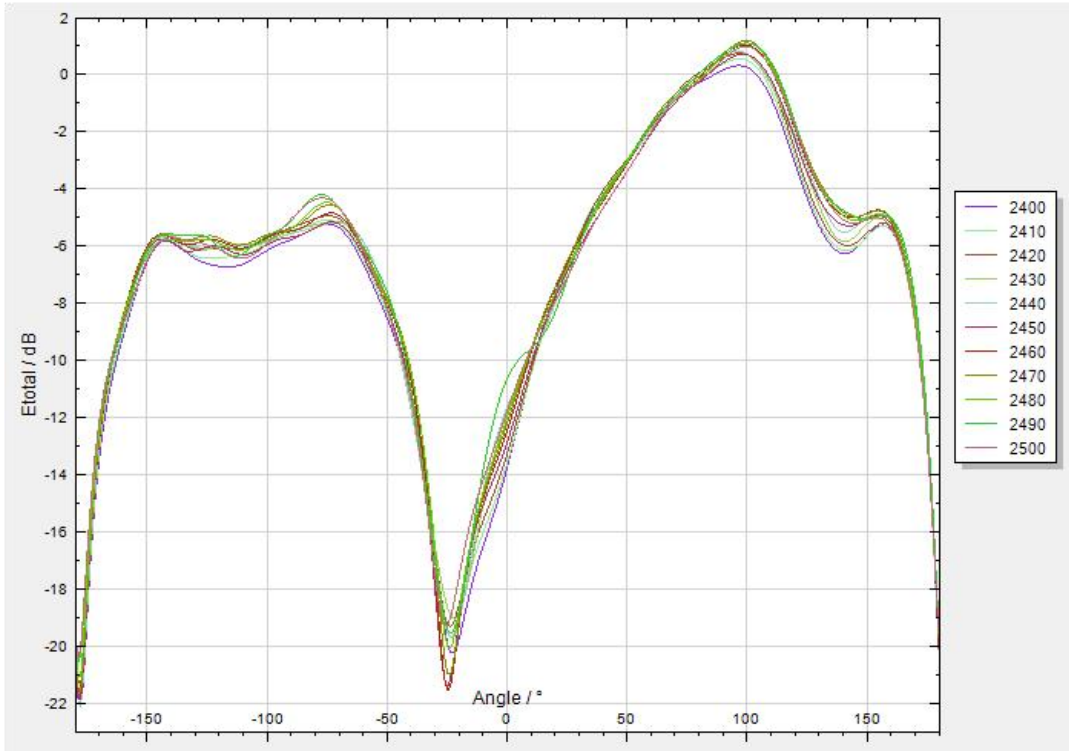
Frequency / MHz	Gain/ dBi	Efficiency / %
2400	0.46	44.36
2410	0.71	45.71
2420	0.92	45.92
2430	0.91	45.6
2440	0.95	45.6
2450	0.93	45.29
2460	1.27	46.45
2470	1.37	46.88
2480	1.25	47.21
2490	1.24	46.67
2500	1.05	44.87

Appendix D Radiation Pattern

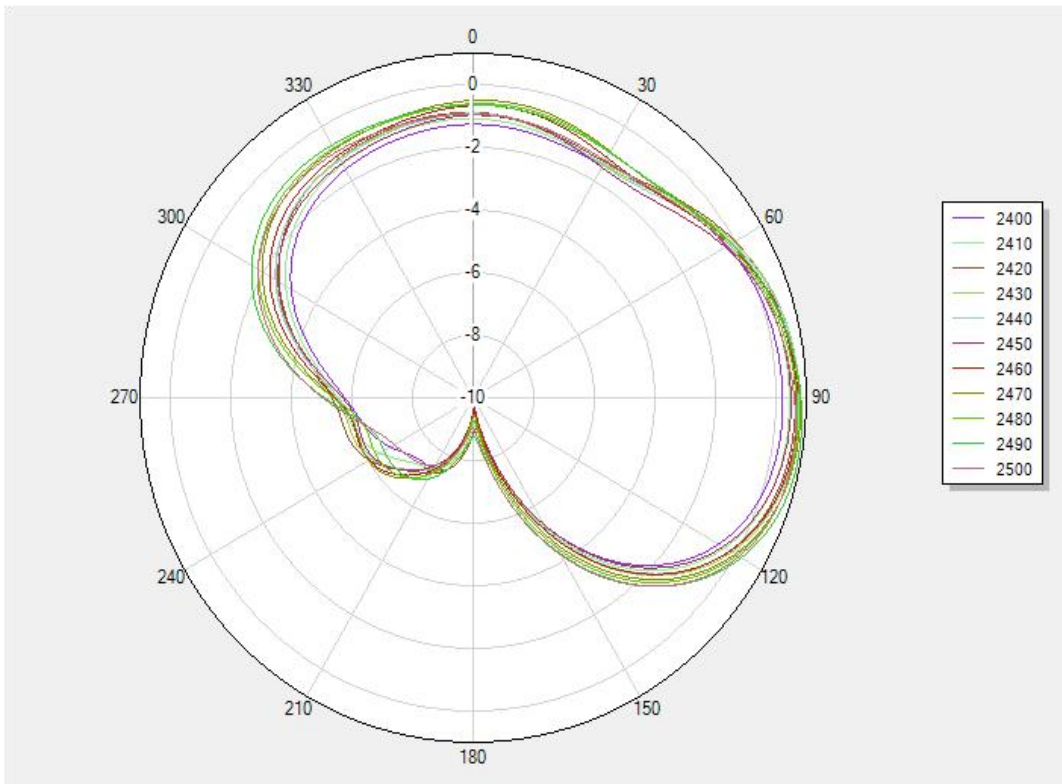
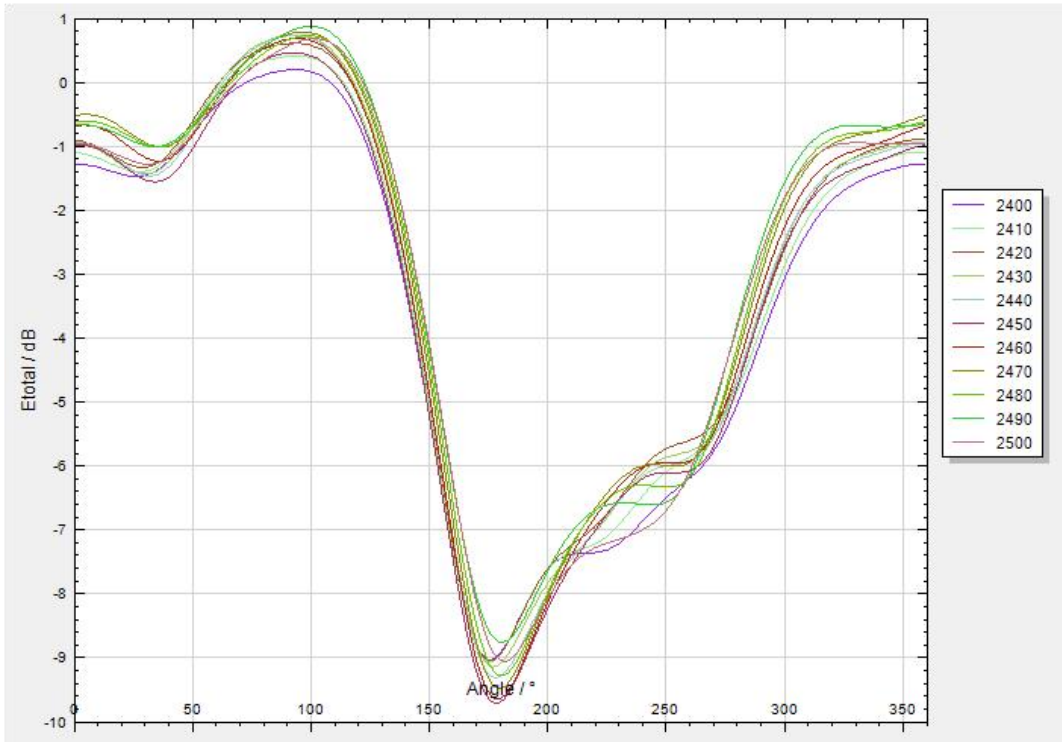
Phi 0



Phi 90



Theta 90



Appendix E Test Setup Photo

