

BT Antenna Test Report



Customer	传音
Project	SP315B
Product Description	

Report Date	2024.12.28	Prepared by	Hao_li
Report Version	V3	Checked by	

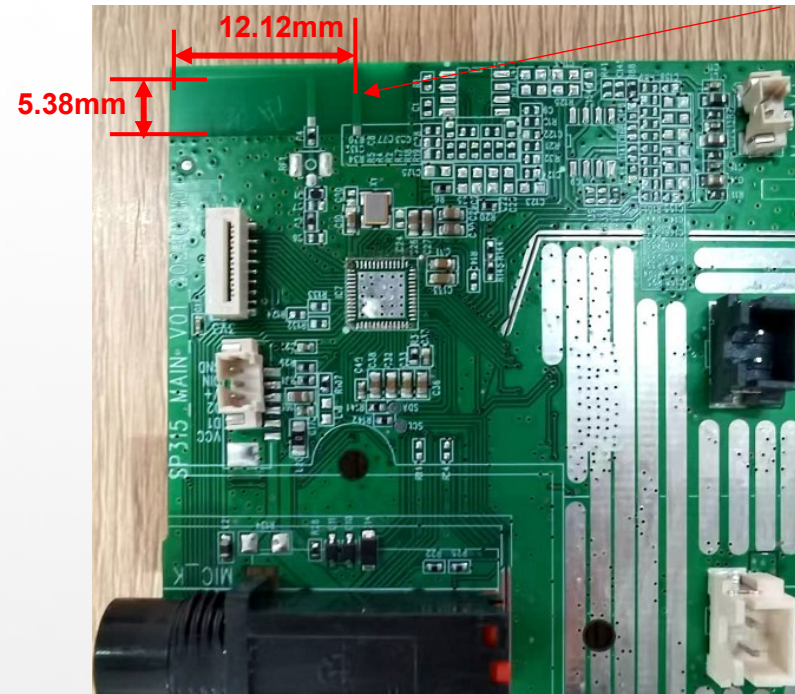
Introduction

I. Test Condition

II. Test Result



I. Test Condition



Antenna

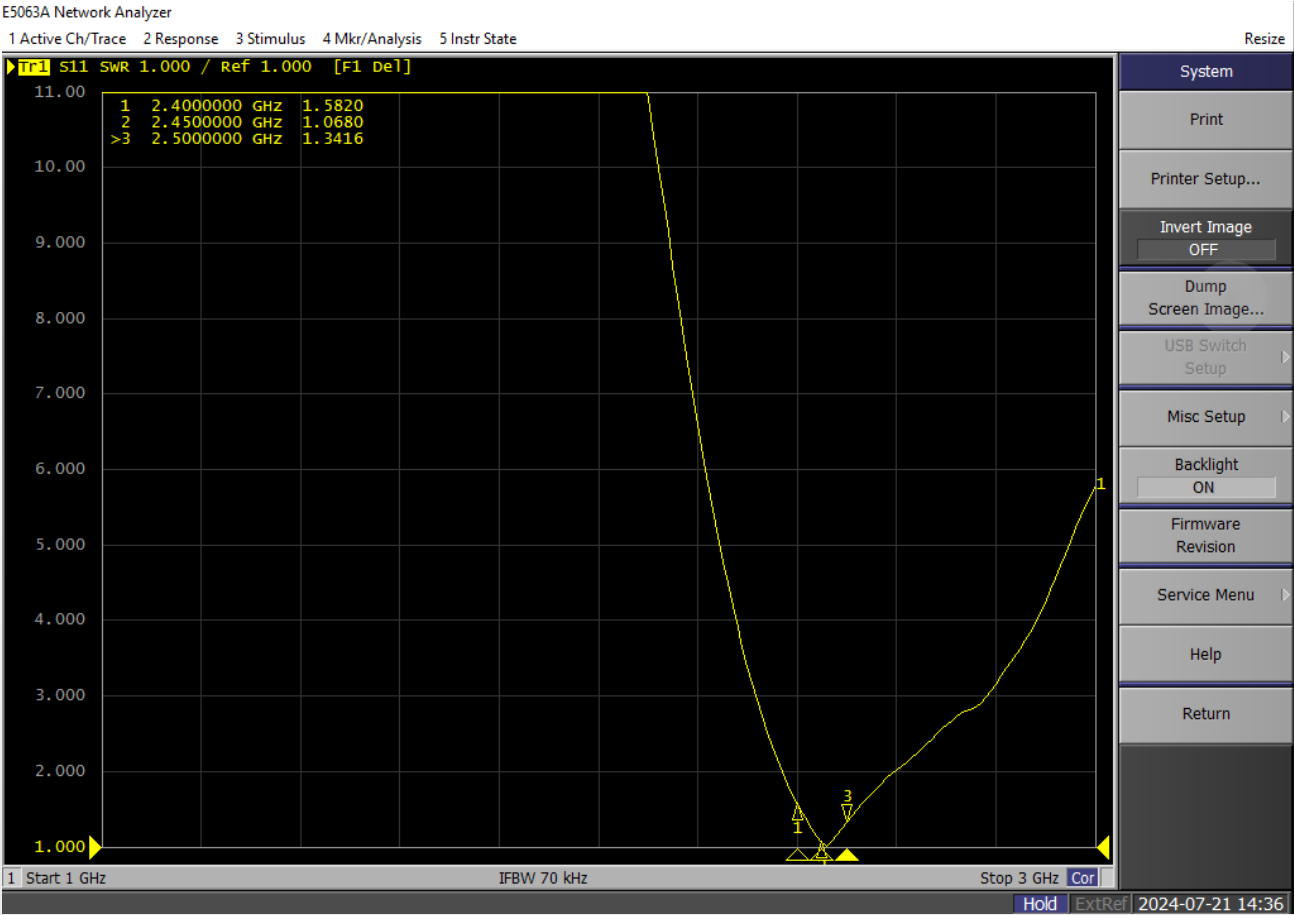
Antenna size :18.87mm*6.6mm

Antenna supplier: Shenzhen Swetz Sound Technology Co.,Limited

Company address: No.19, Jianlong Street, Baoan Community, Yuanshan, Longgang District, Shenzhen, Guangdong, China

II. Test Result

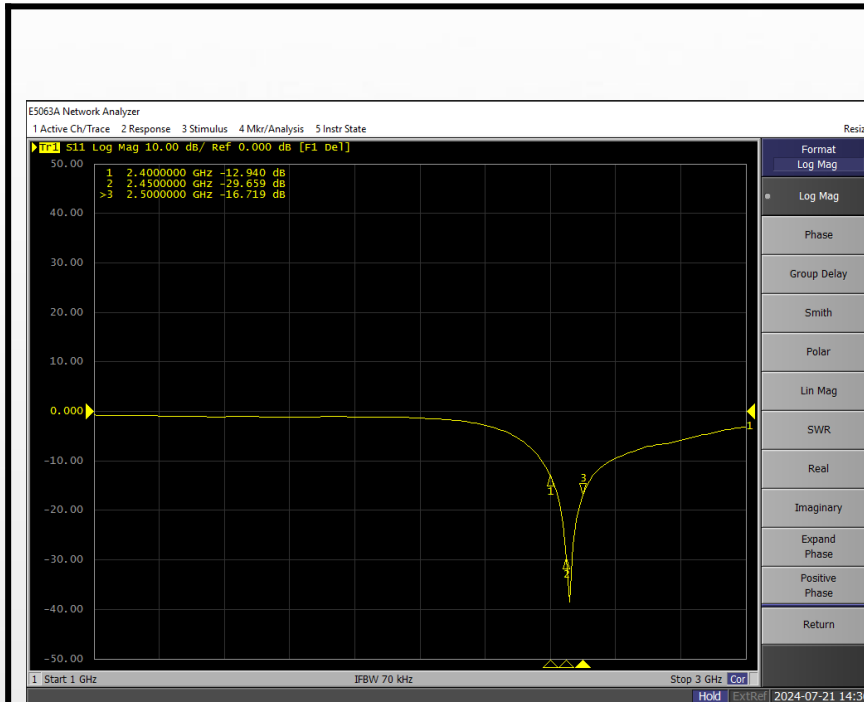
2.1 Antenna VSWR



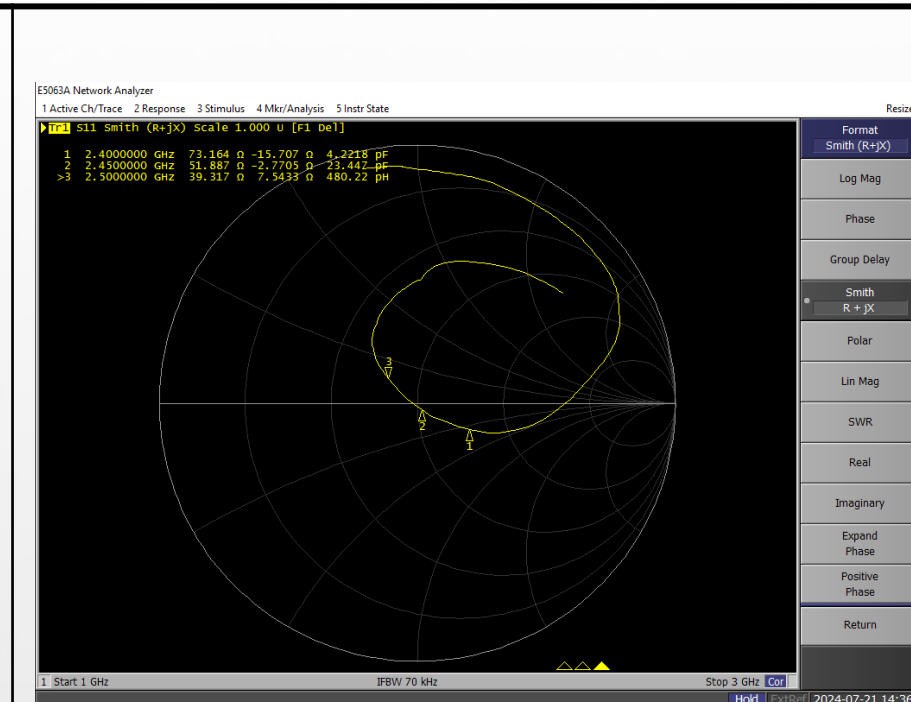
Frequency (MHz)	2400	2450	2500
VSWR	1.24	1.01	1.18

II. Test Result

2.1. Antenna S-Parameter



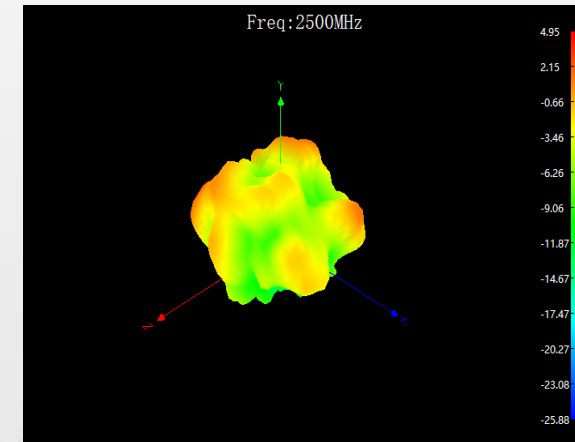
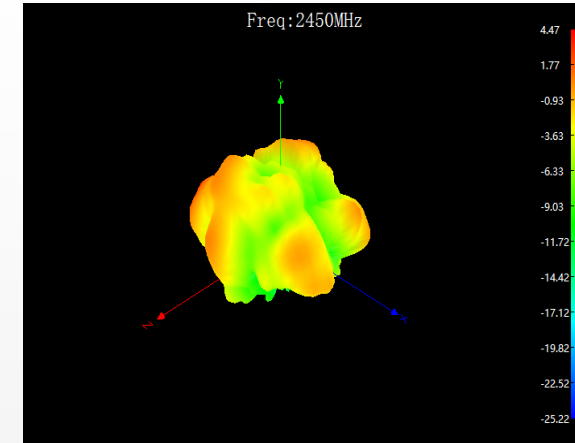
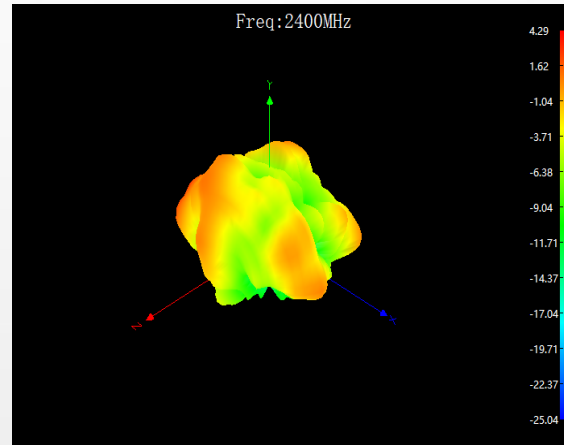
Return loss



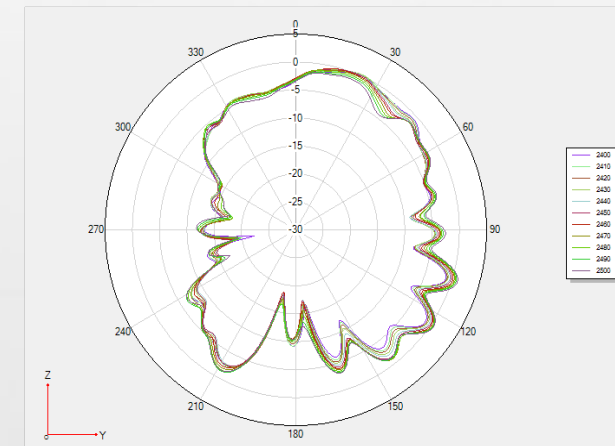
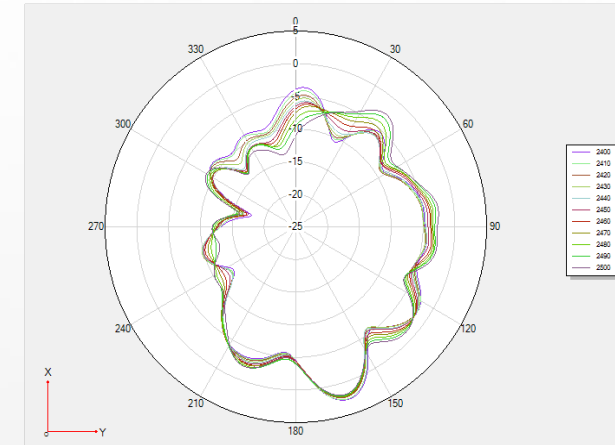
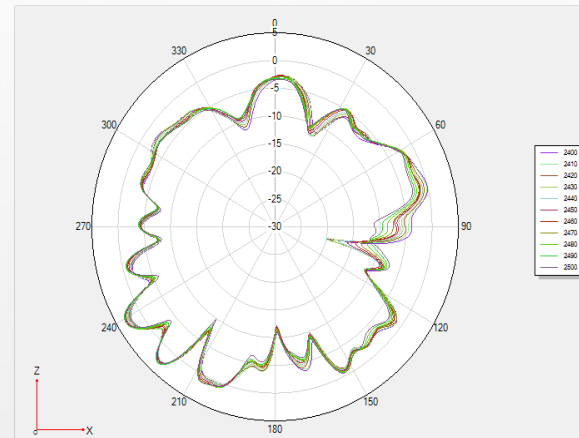
Smith-Chart

II. Test Result

2.2 3D Gain Pattern



2.2 2D Gain Pattern



2.3 Efficiency And Peak Gain

Frequency (MHz)	Efficiency (%)	Peak Gain (dBi)
2400	38.55	4.29
2420	38.87	4.26
2440	39.17	4.31
2450	40.36	4.47
2460	39.72	4.7
2480	39.36	4.9
2500	39.08	4.95



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The End