

BT Antenna Test Report



Customer	倍思
Project	SP299B
Product Description	

Report Date	2024.7.26	Prepared by	Hao_li
Report Version	V4	Checked by	

I. Test Condition

II. Test Result

III. Conclusion

I. Test Condition

Antenna



Antenna brand: 奇力新

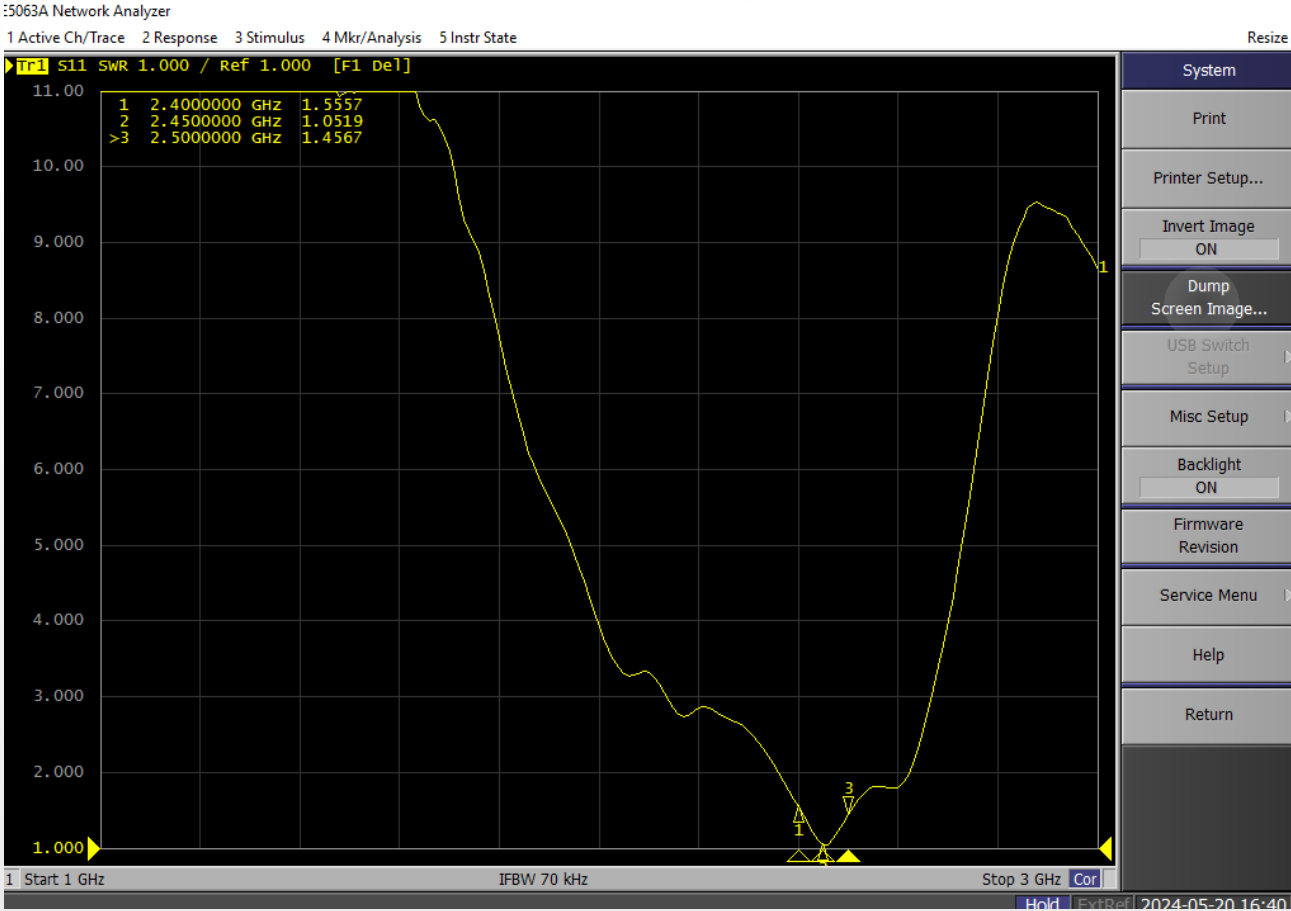
Antenna type: BTCA00321608002G4E

Antenna size :3.2mm*1.6mm

Antenna supplier: Shenzhen Hengli Yongtong Electronics Co., LTD

II. Test Result

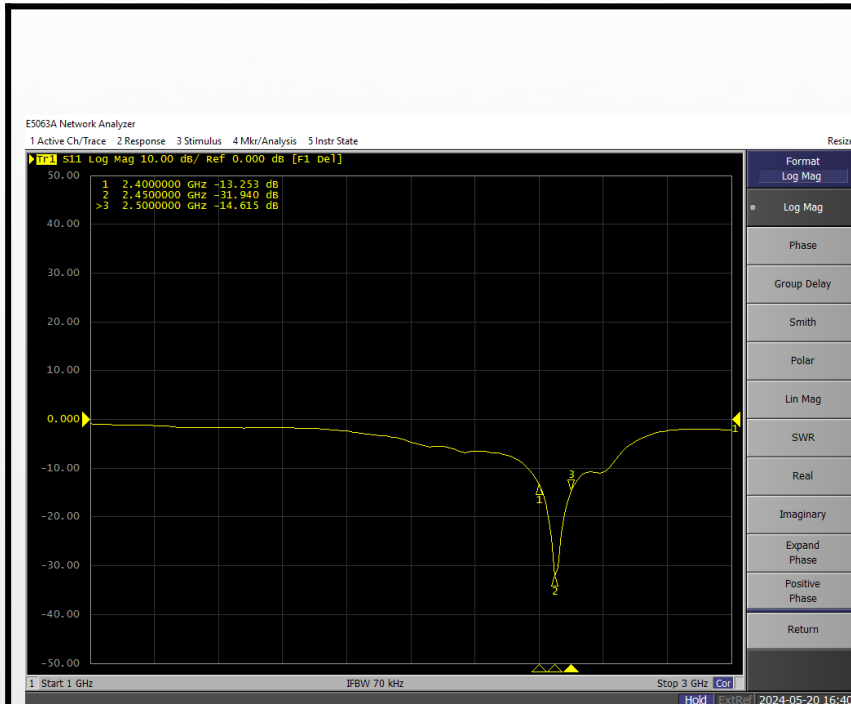
2.1 Antenna VSWR



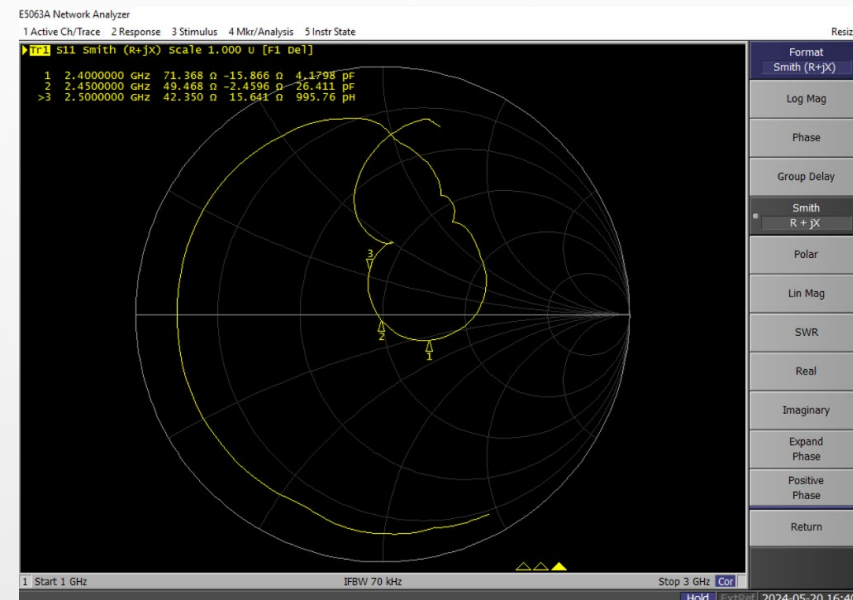
Frequency (MHz)	2400	2450	2500
VSWR	1.55	1.05	1.45

II. Test Result

2.1. Antenna S-Parameter



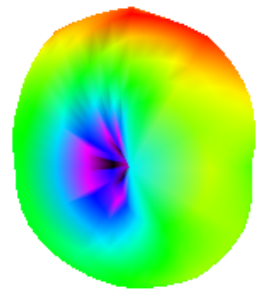
Return loss



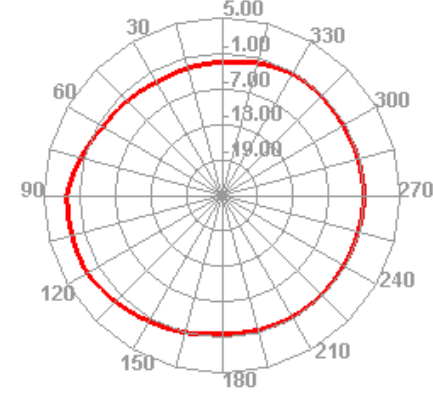
Smith-Chart

2.2 3D/2D Gain Pattern

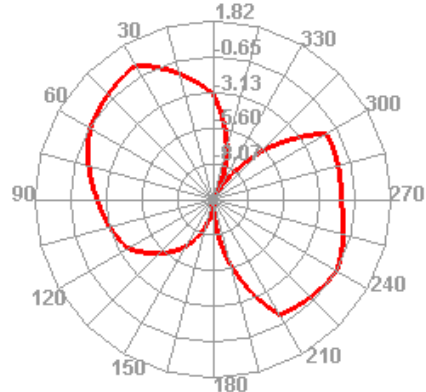
2450.000MHz



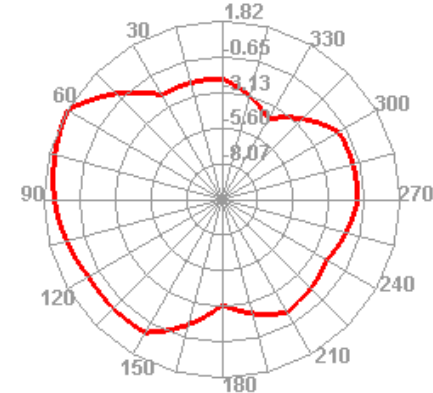
2450.000MHz H



2450.000MHz E1



2450.000MHz E2



2.3 Efficiency And Peak Gain

Frequency (MHz)	Efficiency (%)	Peak Gain (dBi)
2400	52.13	1.32
2420	53.21	1.54
2440	54.07	1.72
2450	55.36	1.82
2460	54.06	1.77
2480	53.95	1.53
2500	52.24	1.32



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