

Antenna Test Report



Customer	凯辉
Project	Bellona
Antenna Revision	A0
Antenna Type	PCB
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Date:	2025. 8. 19

Purpose

This report is to measure the performance of antenna for [Bellona](#) The antenna operating frequency at 2400-2500MHz, All test data are showed as below.

Content

1. Product Overview & Dimension
2. Test system
3. Antenna Matching Network
4. Test Result
 - 4.1 ***S11 Parameter-VSWR***
 - 4.2 ***Gain & Efficiency***
 - 4.3 ***2D Pattern***
5. Conclusion

1.Product Overview & Dimension

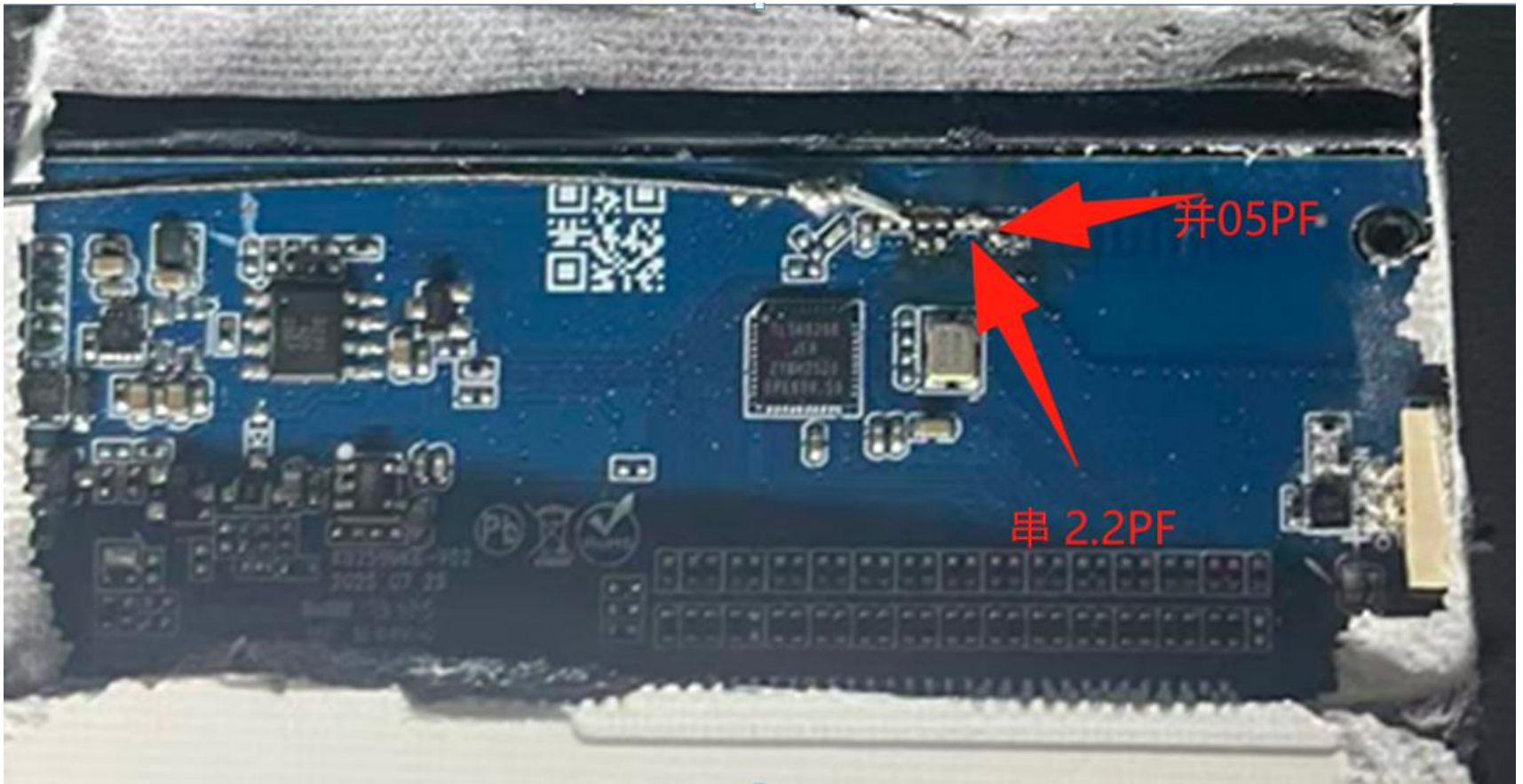


2. Test System

Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & Agilent 5062A
OTA Test	TRP&TIS	Agilent 8960 E5515C& Agilent 4438C&CMW500 &CMW270 ETS&SATIMO
Gain & Efficiency	Gain & Efficiency	ETS&SATIMO Agilent 5071C

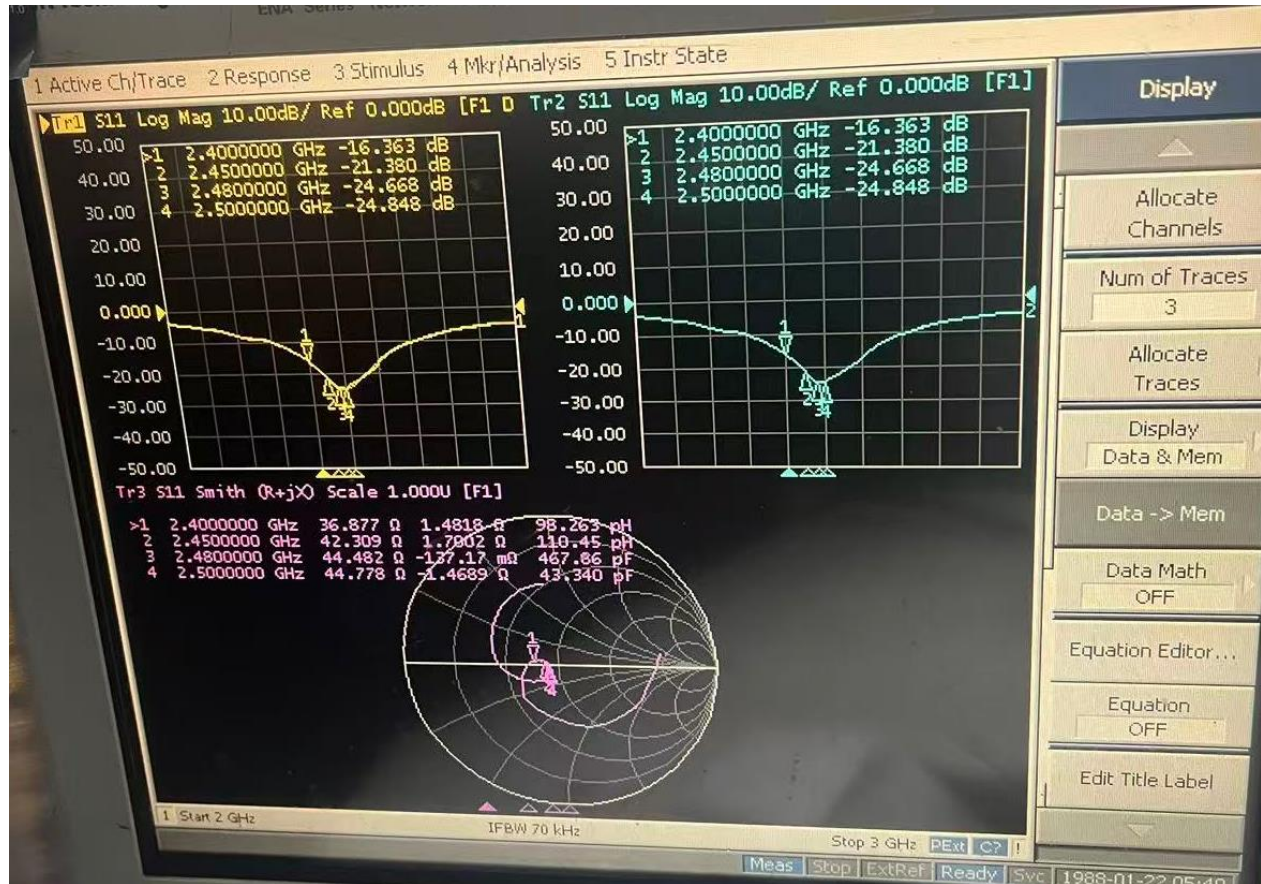


3. Antenna Matching Network



4. Test Result

4.1 S11 Parameter-VSWR



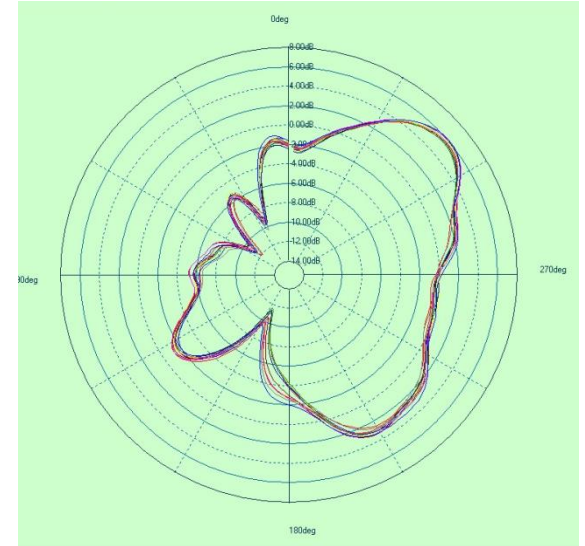
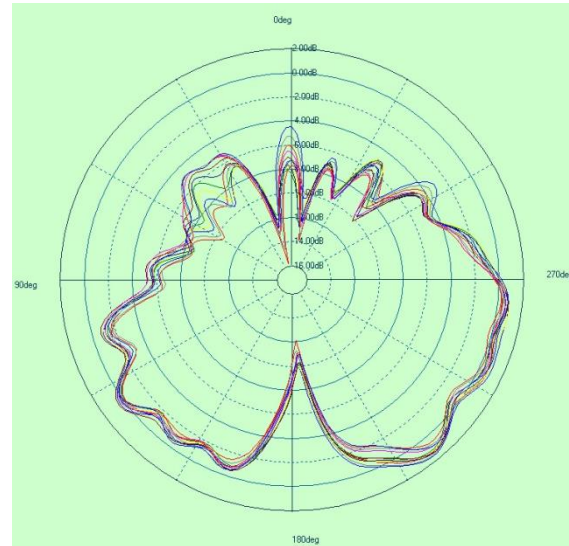
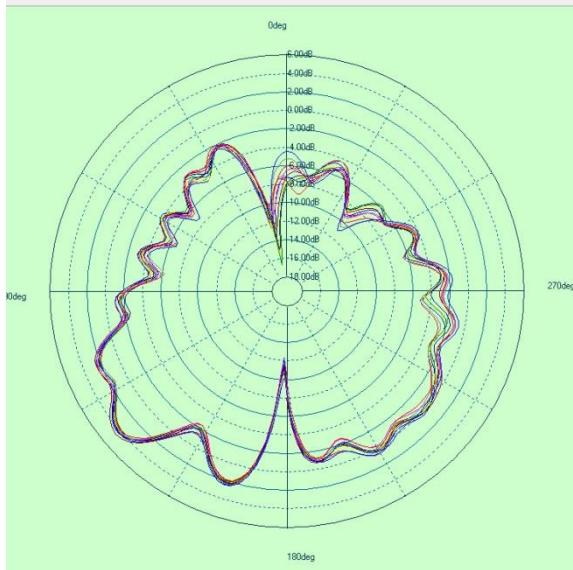
4. Test Result

4.2 Gain & Efficiency

Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	61.1%	6.60
2410	63.2%	6.47
2420	63.6%	6.65
2430	62.8%	6.62
2440	64.7%	6.33
2450	63.8%	6.40
2460	63.3%	6.83
2470	64.2%	6.80
2480	63.3%	6.40
2490	63.7%	6.47
2500	64.4%	6.73

4. Test Result

4.3 2D Pattern



Thank you !