

Antenna Test Report



Customer	合扬
Project	UU0
Antenna Revision	A0
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Checked by	
Date:	2025. 11. 24

Purpose

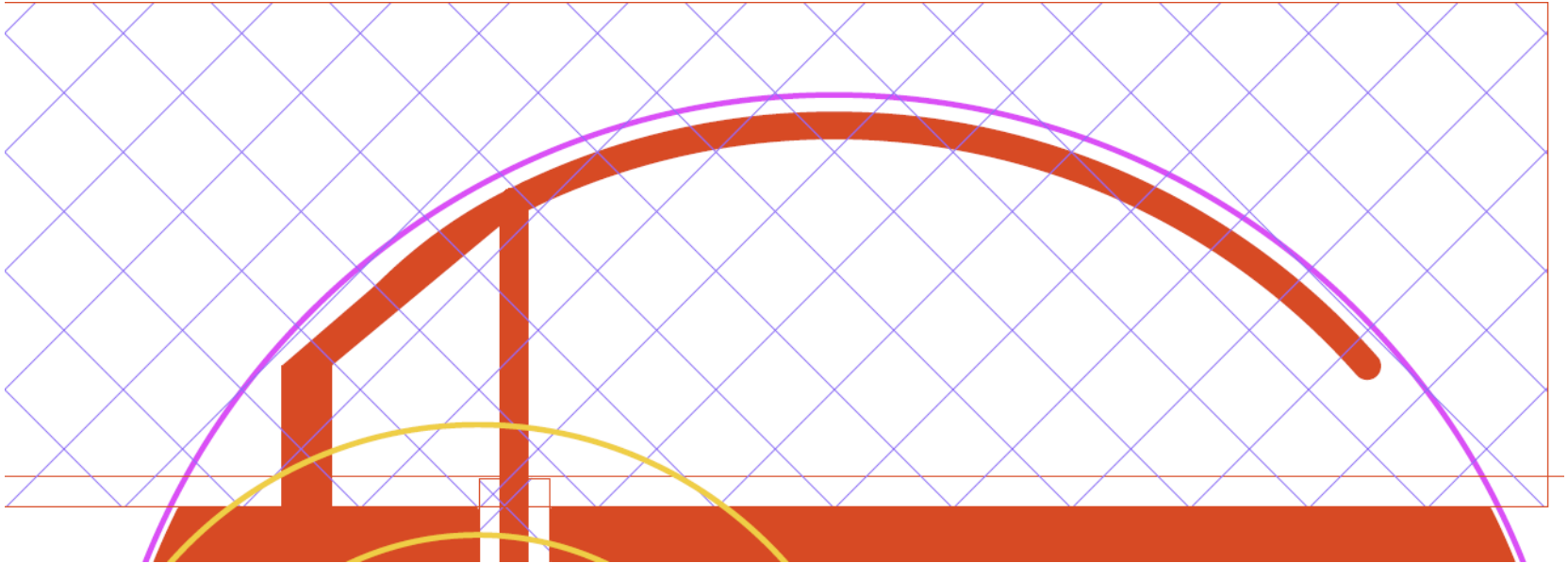
This report is to measure the performance of antenna for UUO. The antenna operating frequency at 2400-2500MHz, All test data are showed as below.

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1. Product Overview & Dimension

Antenna

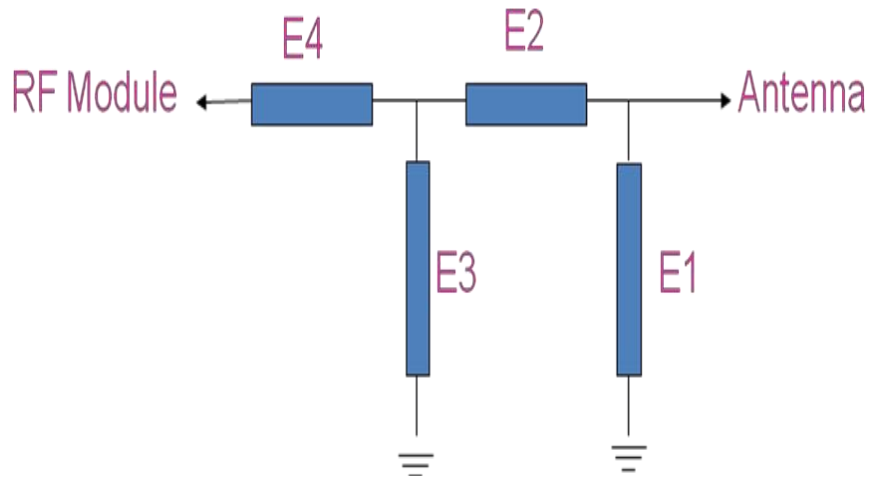


2. Test System

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

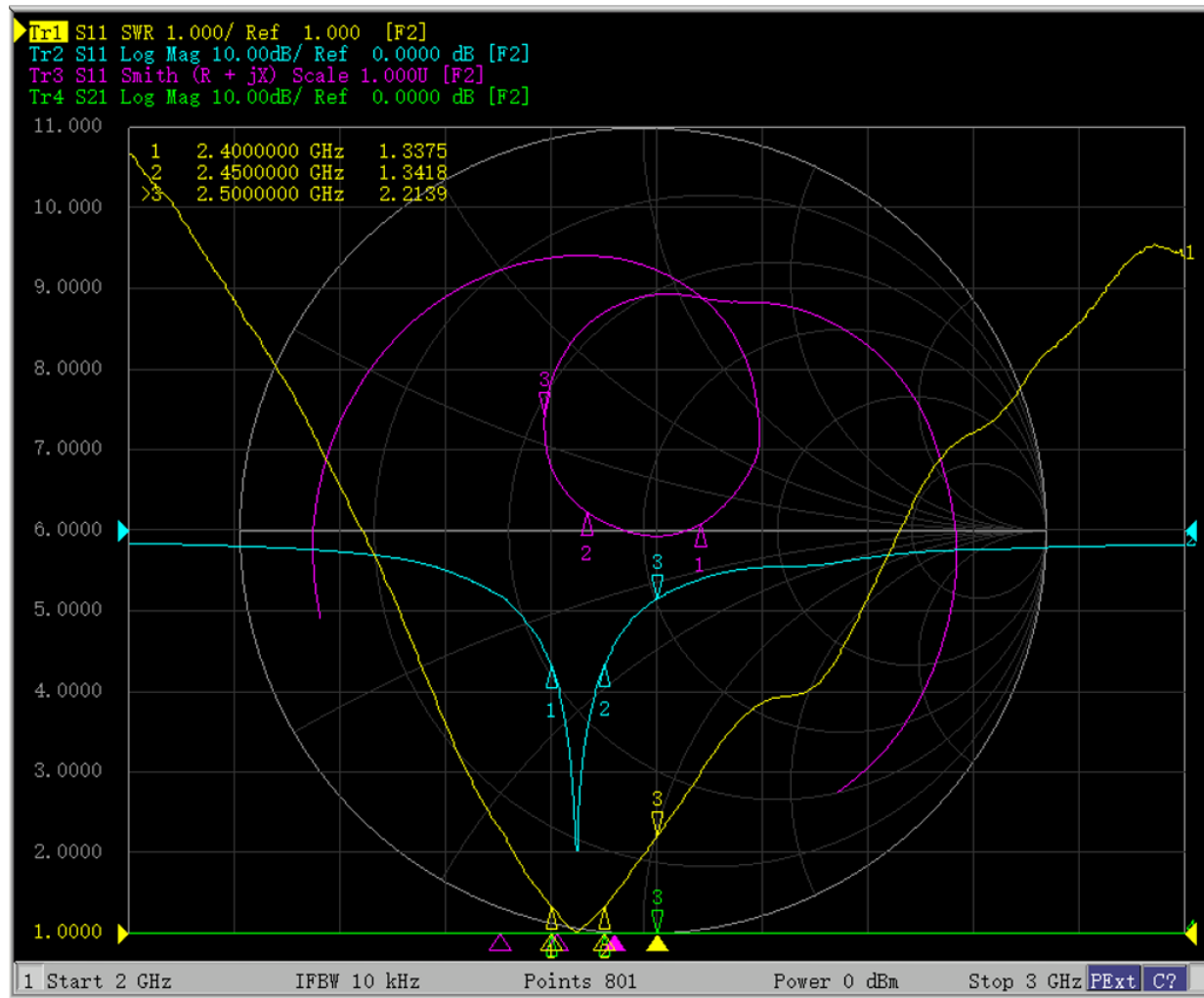


Element	Value
E1	/
E2	/
E3	/
E4	/

PCB 板端匹配电路未改动

4. Test Result

4.1 S11 Parameter-VSWR



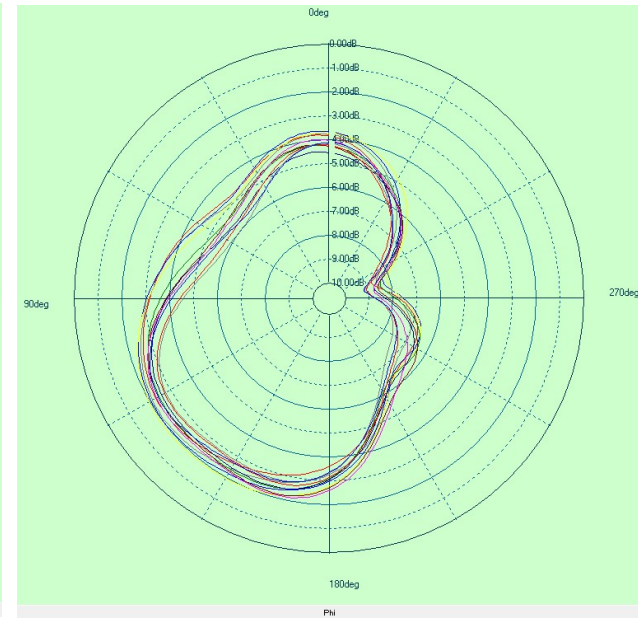
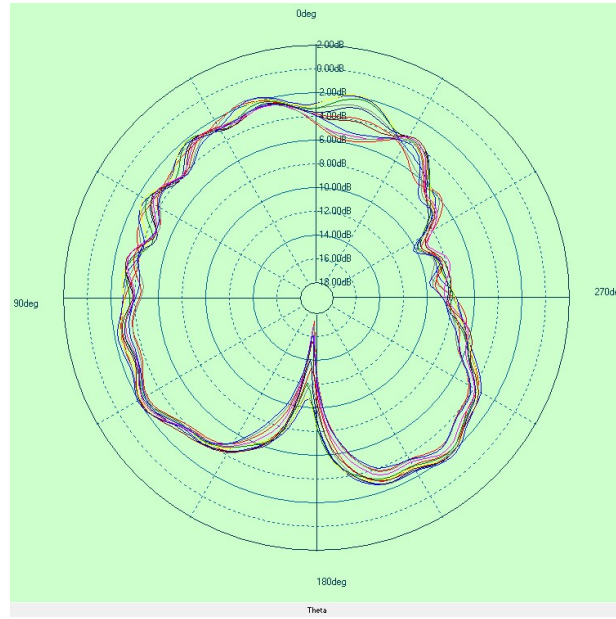
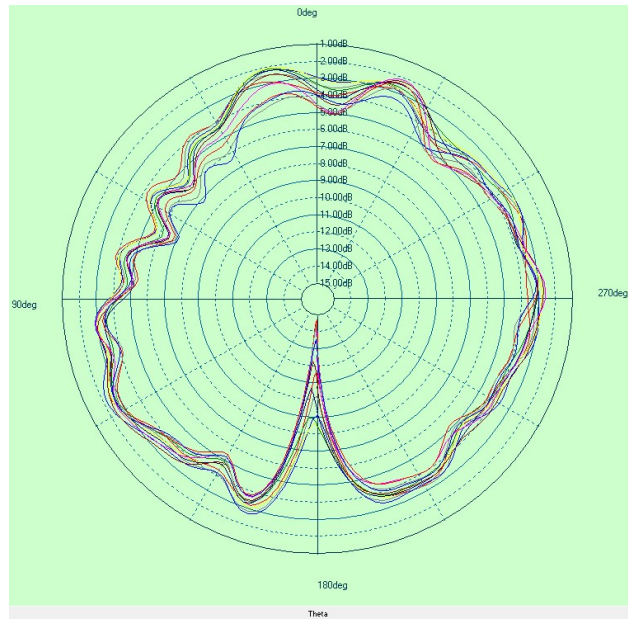
4. Test Result

4.2 Gain & Efficiency

Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	38.99%	-1.66
2410	39.59%	-1.49
2420	40.89%	-1.23
2430	40.15%	-1.19
2440	38.05%	-1.20
2450	38.19%	-1.20
2460	39.13%	-0.90
2470	37.42%	-0.99
2480	34.38%	-1.40
2490	34.09%	-1.70
2500	34.31%	-1.72

4. Test Result

4.3 2D Pattern



Thank you !