

Antenna Test Report



Customer	航世
Project	IC668
Antenna Revision	A0
Prepared by	
Checked by	
Date:	2025. 12. 19

Purpose

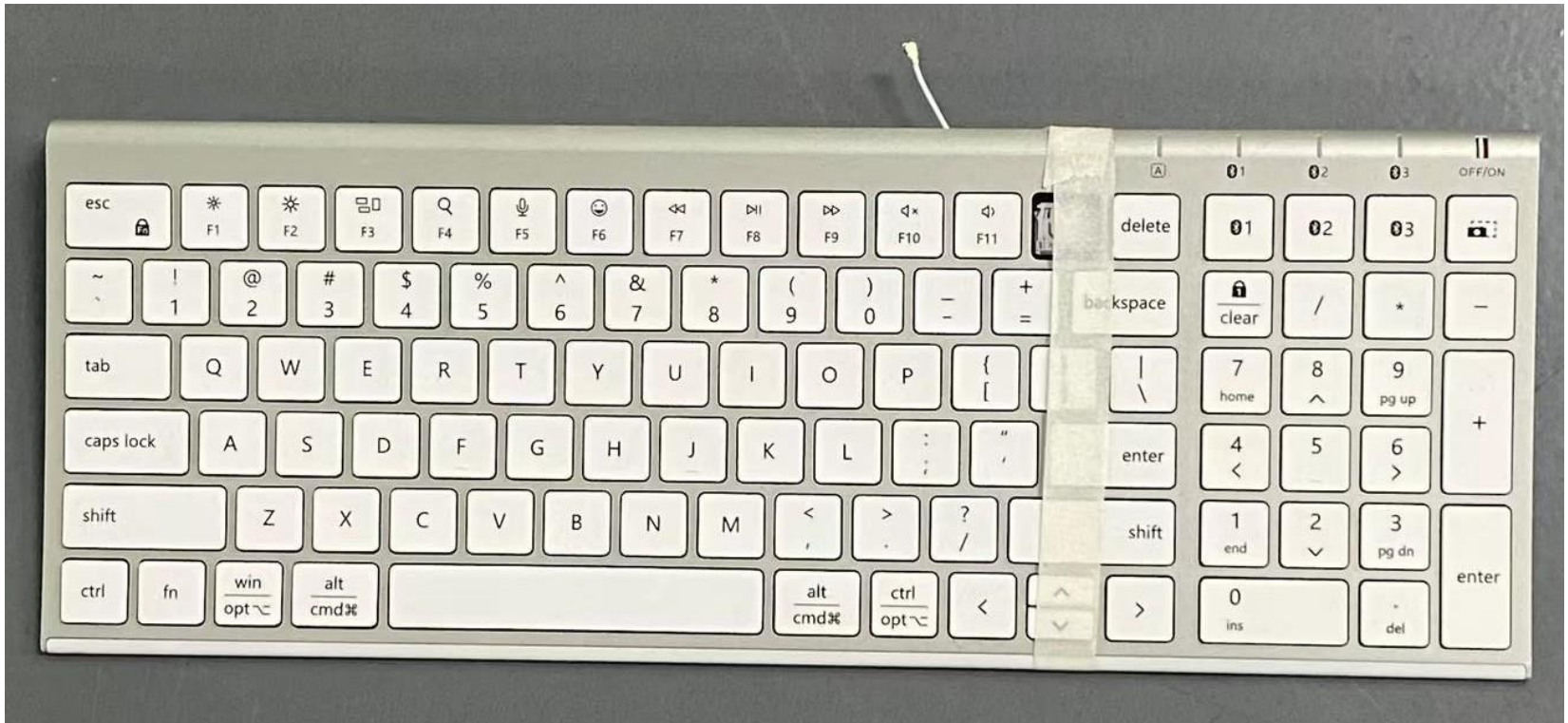
This report is to measure the performance of antenna for [IC668](#).The antenna operating frequency at 2400-2500MHz, All test data are showed as below.

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 - 4.1 ***S11 Parameter-VSWR***
 - 2. Gain & Efficiency***
 - 3. 2D Pattern***

1. Product Overview & Dimension

样机图片

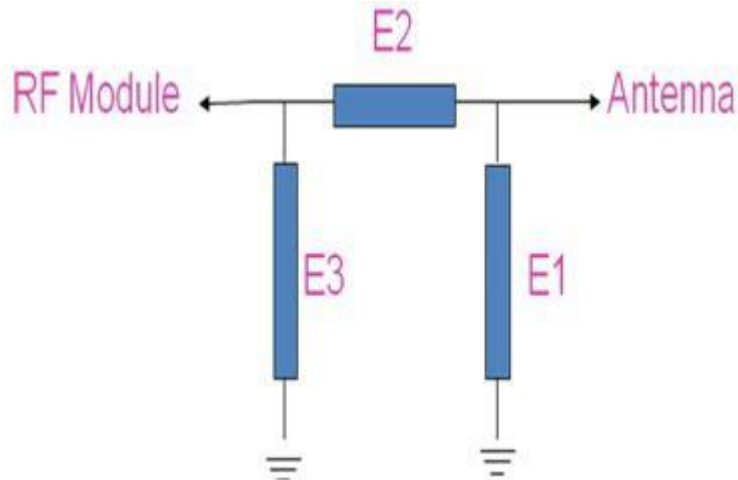


2. Test System

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	/
	尺寸φ3*12.5

PCB板端匹配电路未改动

4. Test Result

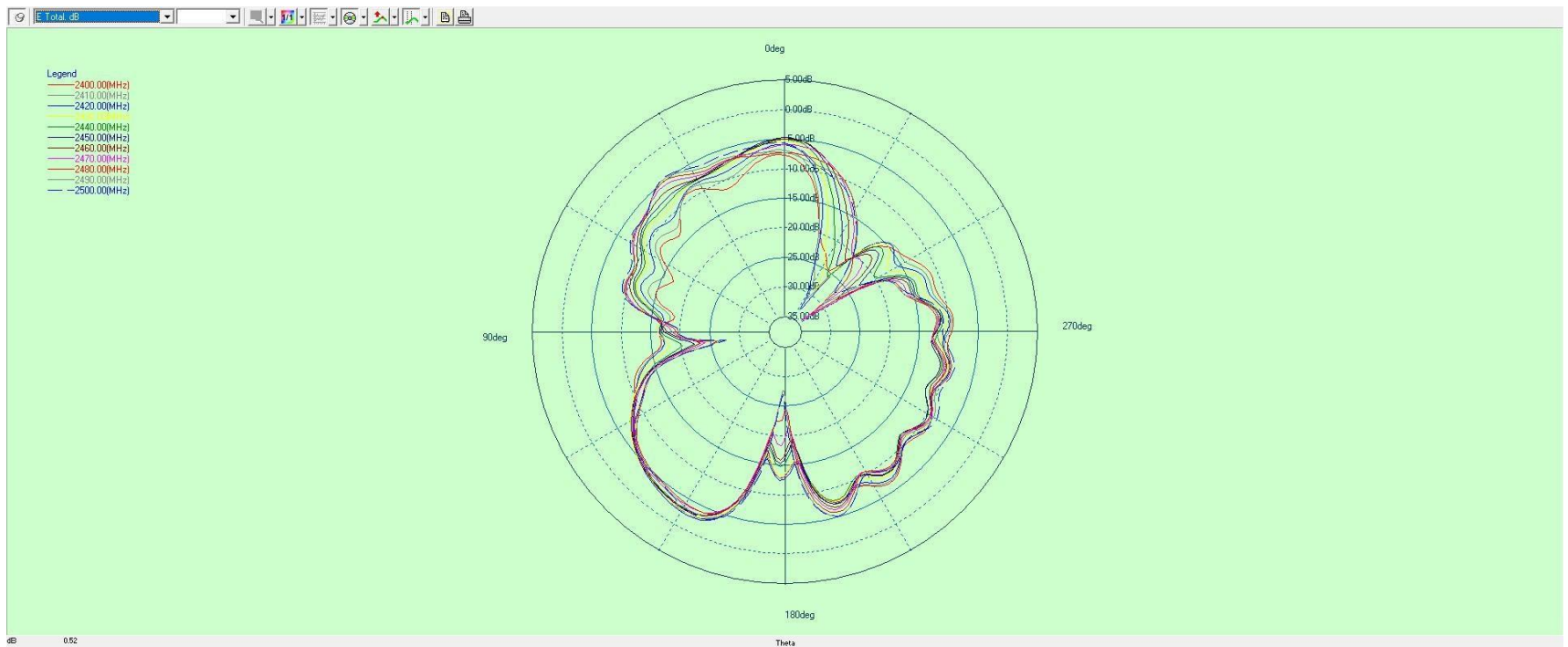
4.1 Gain & Efficiency-1#

Frequency (MHz)	Efficiency (%)	Peak GAIN(dBi)
2400	11.08%	-1.35
2410	11.20%	-0.90
2420	11.59%	-0.67
2430	11.50%	-1.00
2440	10.56%	-1.42
2450	11.06%	-1.24
2460	11.94%	-1.21
2470	12.17%	-1.32
2480	11.83%	-1.65
2490	12.38%	-1.25
2500	13.19%	-1.11

4. Test Result

4.2 2D Pattern

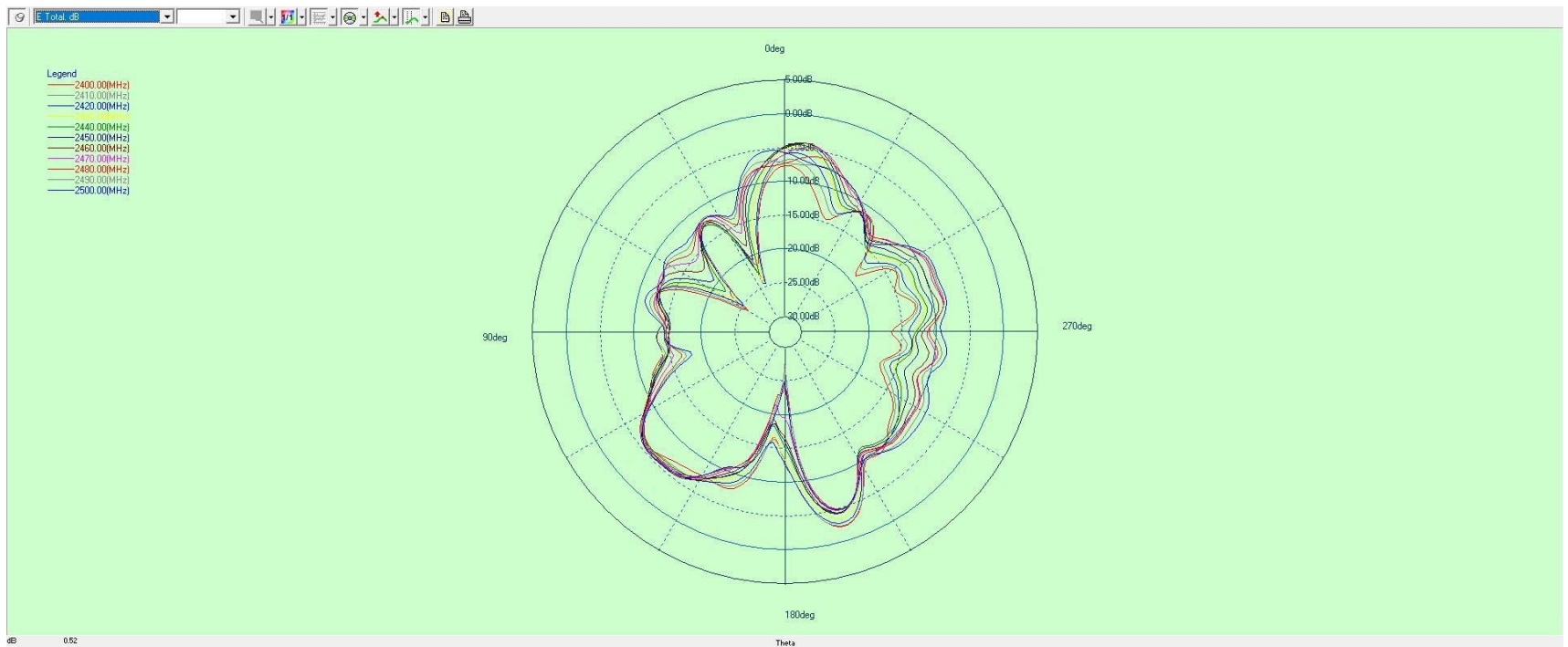
Phi=0



4. Test Result

4.3 2D Pattern

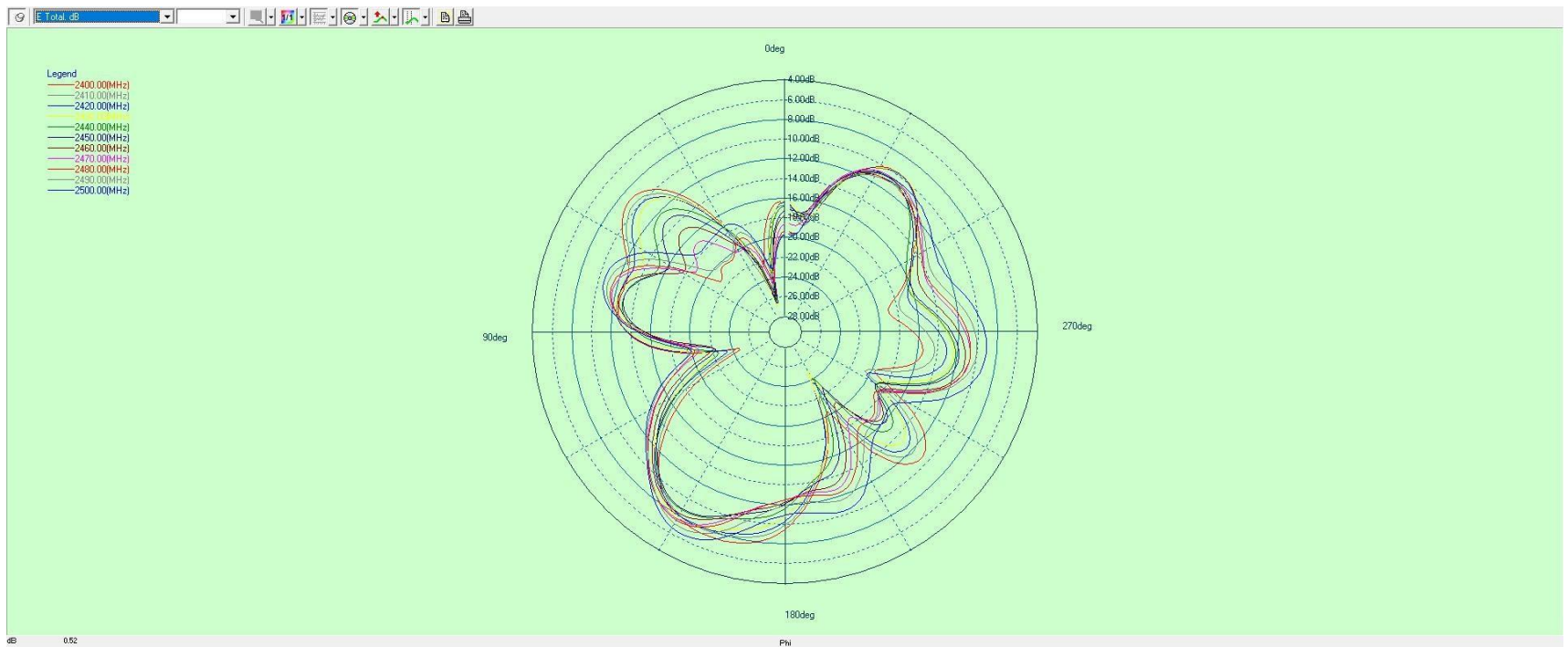
Phi=90



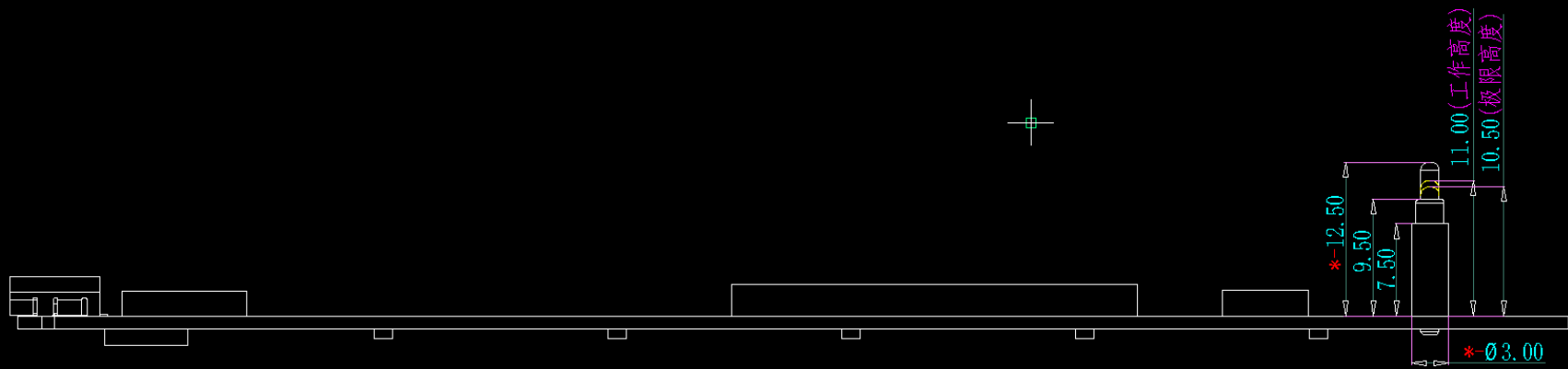
4. Test Result

4.4 2D Pattern

Theta=90



天线尺寸图



Thank you !

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