

Antenna Test Report



Customer	尊特
Project	M172C
Antenna Revision	A0
Prepared by	
Checked by	15085930310
Date :	2025. 04. 17

Purpose

This report is to measure the performance of antenna for [M172C](#). The antenna operating frequency at 2400Mhz-2500Mhz 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**

1. Product Overview & Dimension



样机图片

1. Product Overview & Dimension



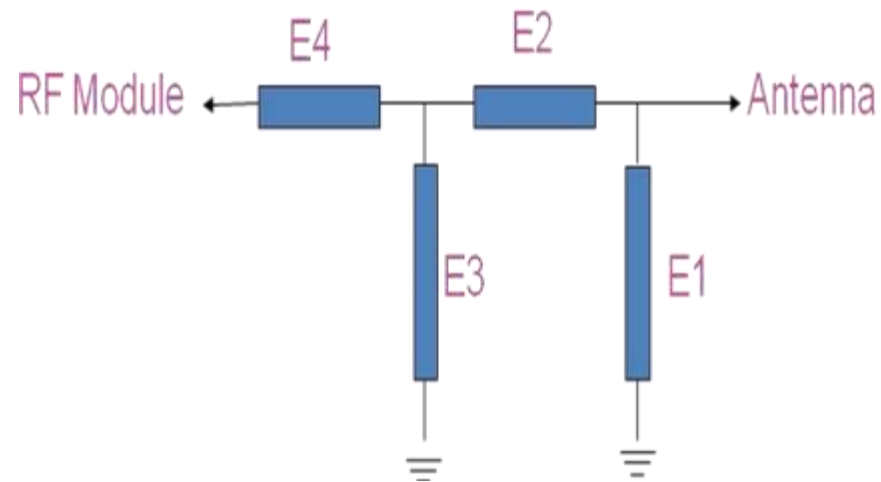
天线按上图位置装贴

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



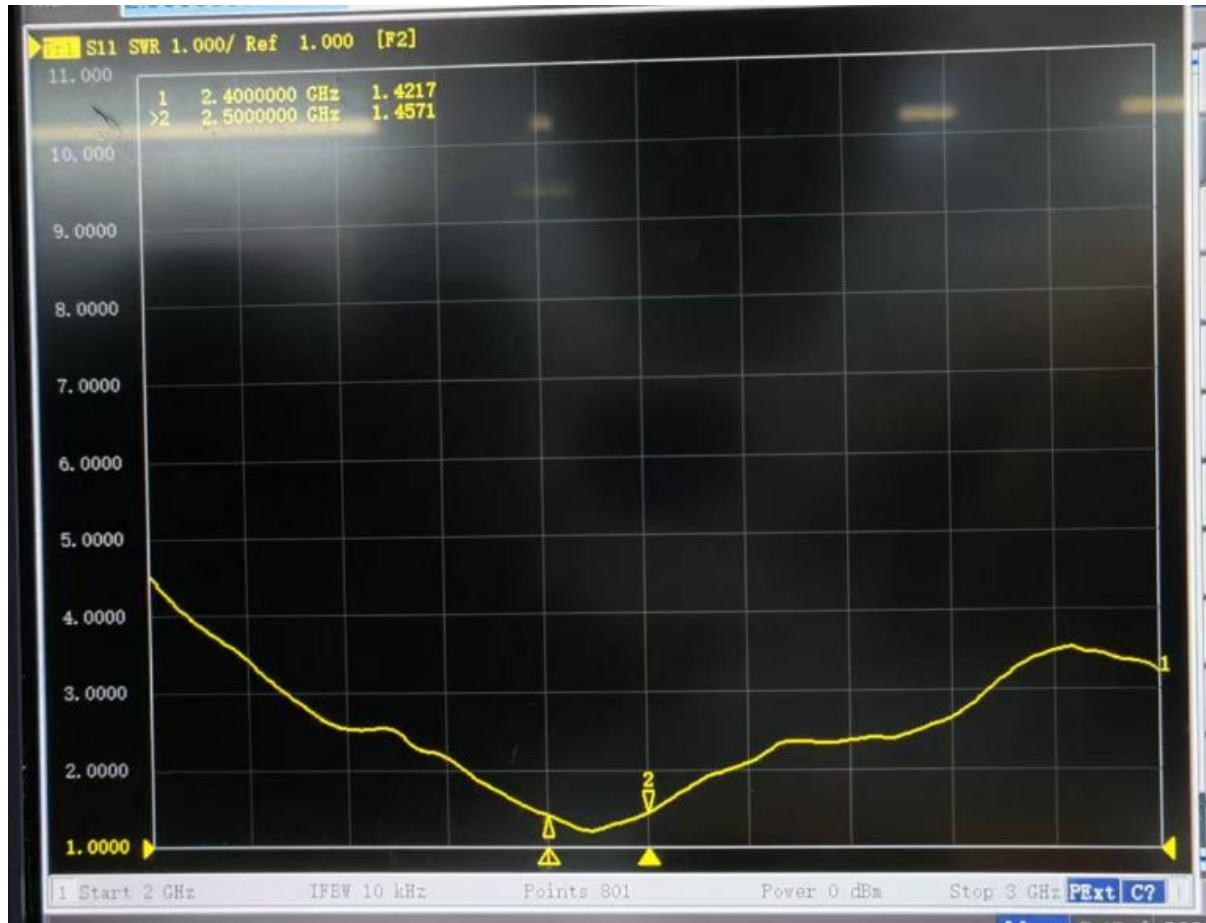
3. Antenna Matching Network



主板原始匹配未更改

4. Test Result

4.1 S11 Parameter-SWR-BT



Frequency	2400	2500
VSWR	1.42	1.45

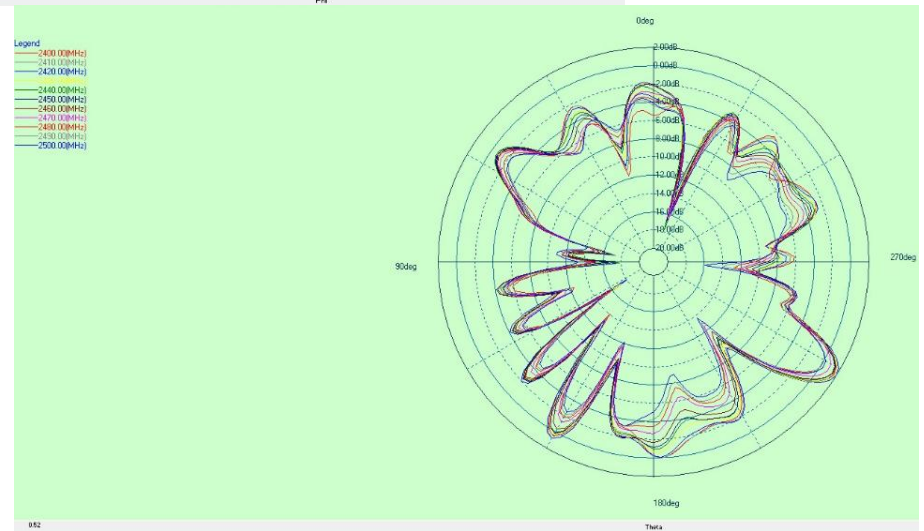
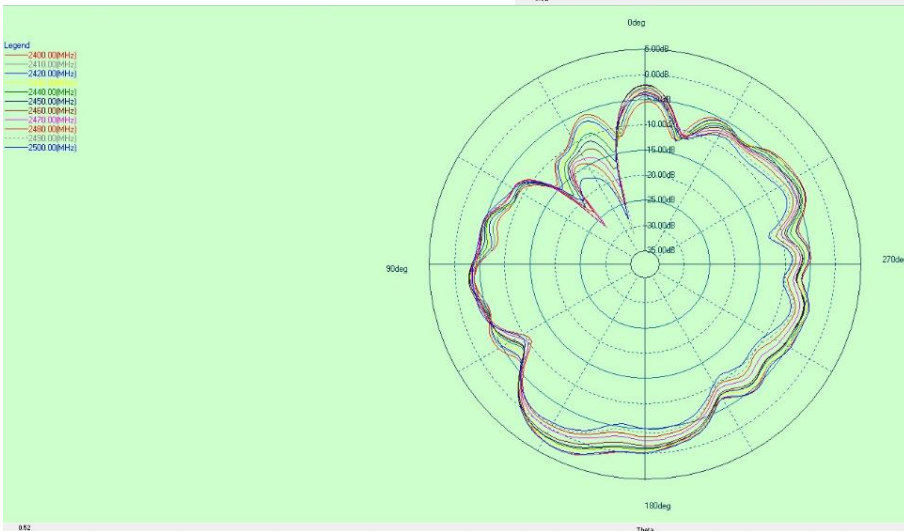
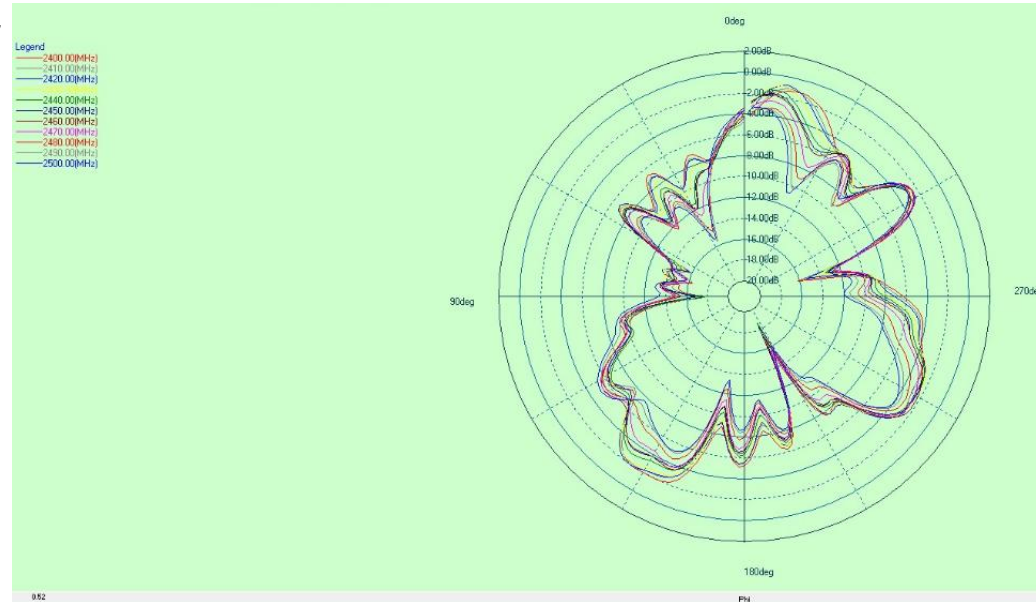
4 . Test Result

4.2 Gain & Efficiency——BT

Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	41.72	2.01
2420	42.78	2.21
2440	42.91	2.23
2450	42.86	2.39
2460	42.38	2.51
2480	42.21	2.60
2500	41.05	2.78

4. Test Result

4.3 2D Pattern-BT



5. Test Result---



楼顶实测距离20米

Thank you !