

Antenna Test Report



Antenna Provider	HangShi Technology
Project	MW210
Antenna Revision	A0
Prepared by	Hao_Yang
Checked by	Victory / Jack_Li
Date	2024/10/18

Purpose

This report is to measure the performance of antenna for [MW210](#)

. The antenna operating frequency at 2400MHz-2500MHz All test data are showed as below.

Content

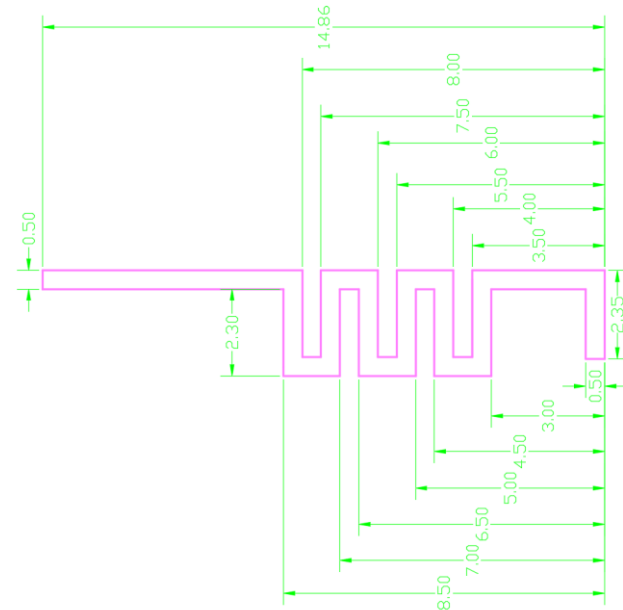
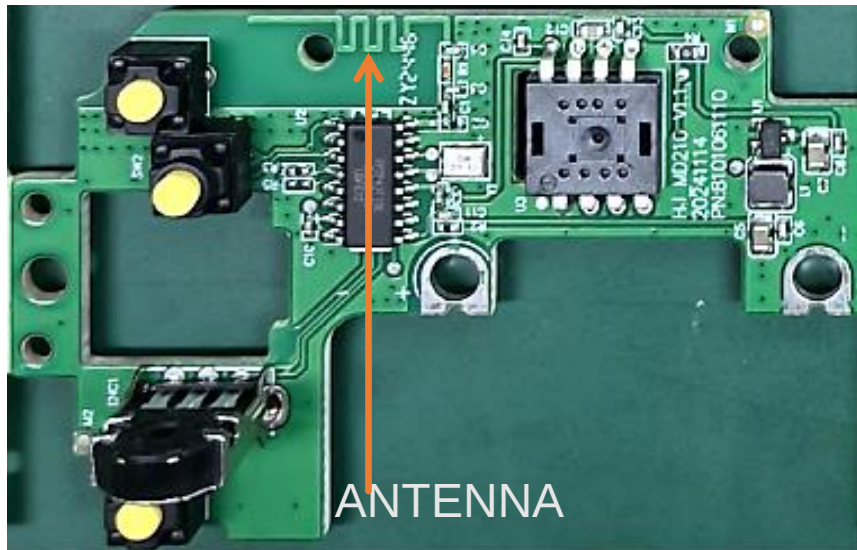
1. Product Overview & Environmental Treatment
2. Test system
3. Antenna Matching Network
4. Test Result

4.1. S11 Parameter-VSWR

4.2. Gain & Efficiency

4.3. 2D Pattern

1 . Product Overview & Dimension



ANTENNA VENDOR:

Shenzhen Hangshi Electronic Technology Co.,Ltd

Company Address:

Hangshi Technology Park, Democracy West Industry Area,Shajing Town,
Bao'an District,Shenzhen,China.

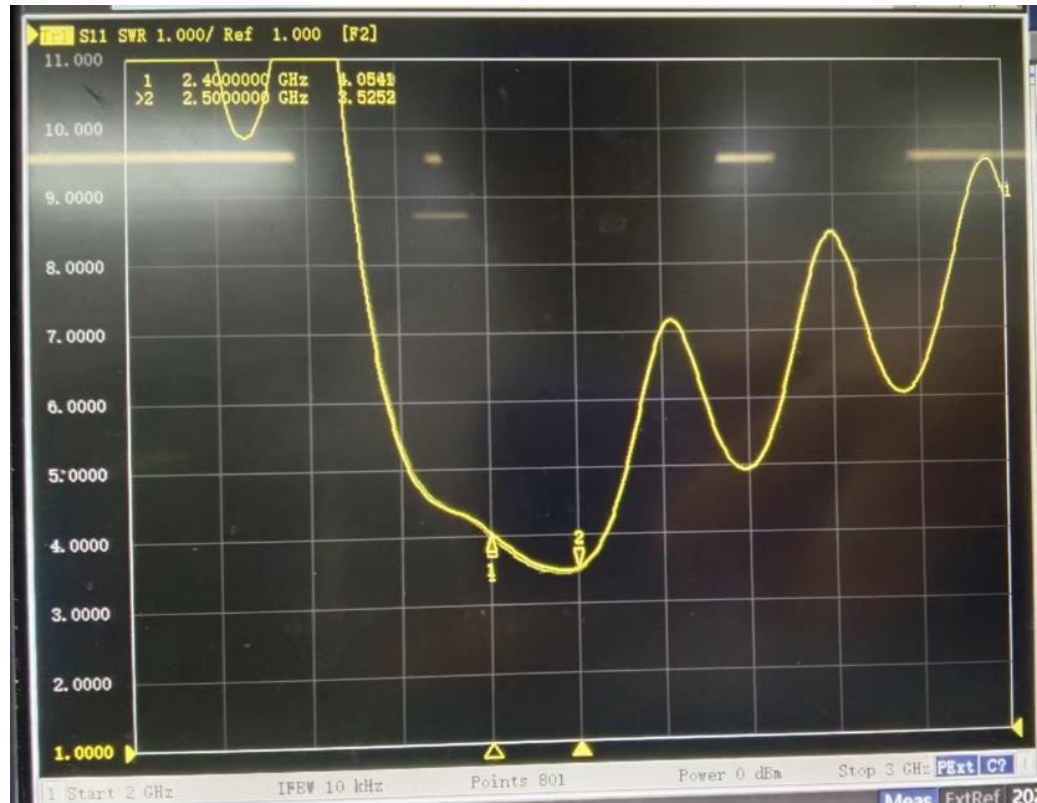
2. TestSystem

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 Agilent5071C



4. Test Result

4.1 S11Parameter-SWR-2.4G



Frequency	2400	2500
VSWR	4.05	3.52

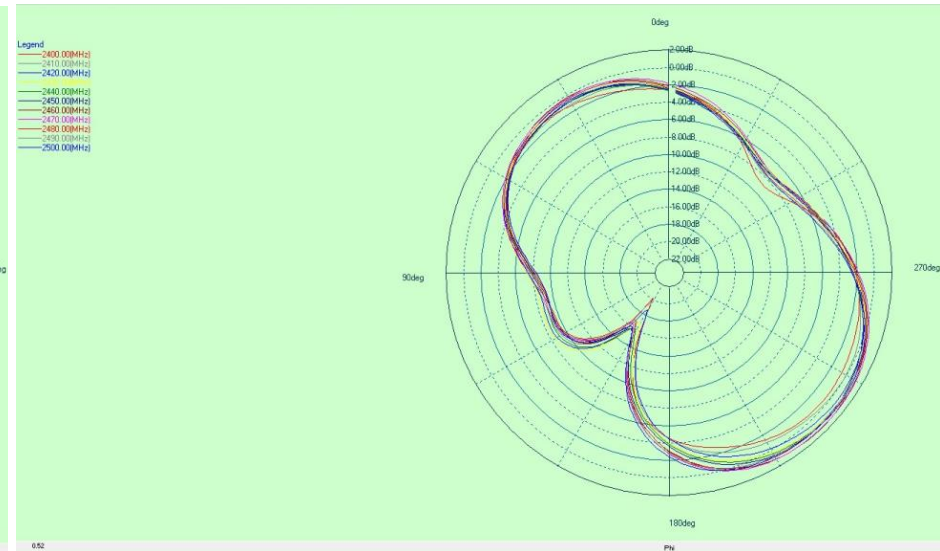
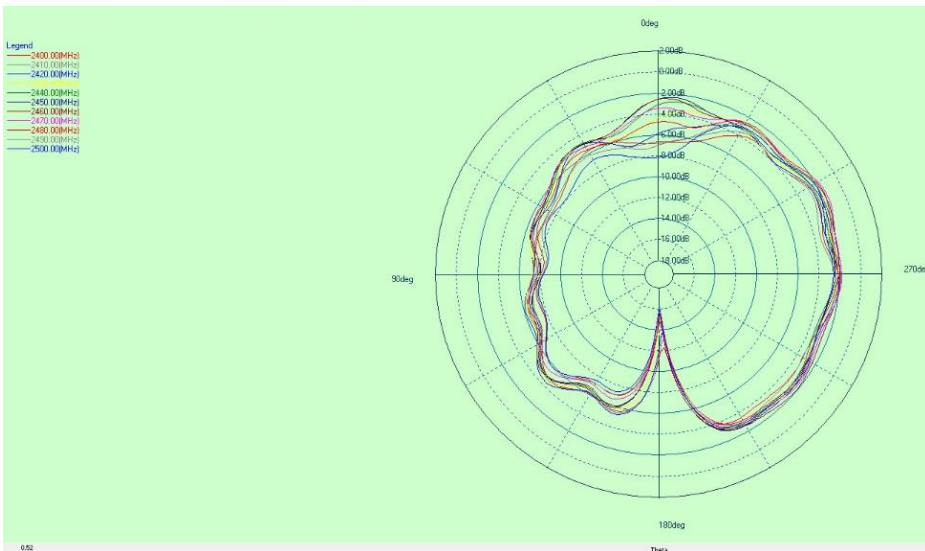
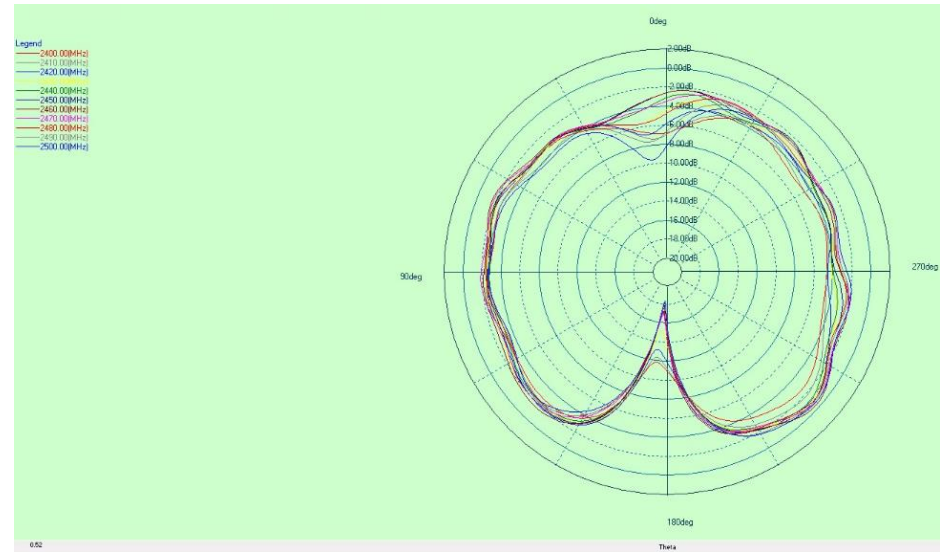
4 . Test Result

4.2 Gain & Efficiency——2.4G

Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	39. 53	-0. 31
2420	46. 36	0. 96
2440	46. 51	1. 06
2450	48. 63	1. 13
2460	52. 10	1. 50
2480	47. 24	1. 35
2500	45. 17	1. 27

4. Test Result

4.3 2D Pattern-2.4G



Thank you !