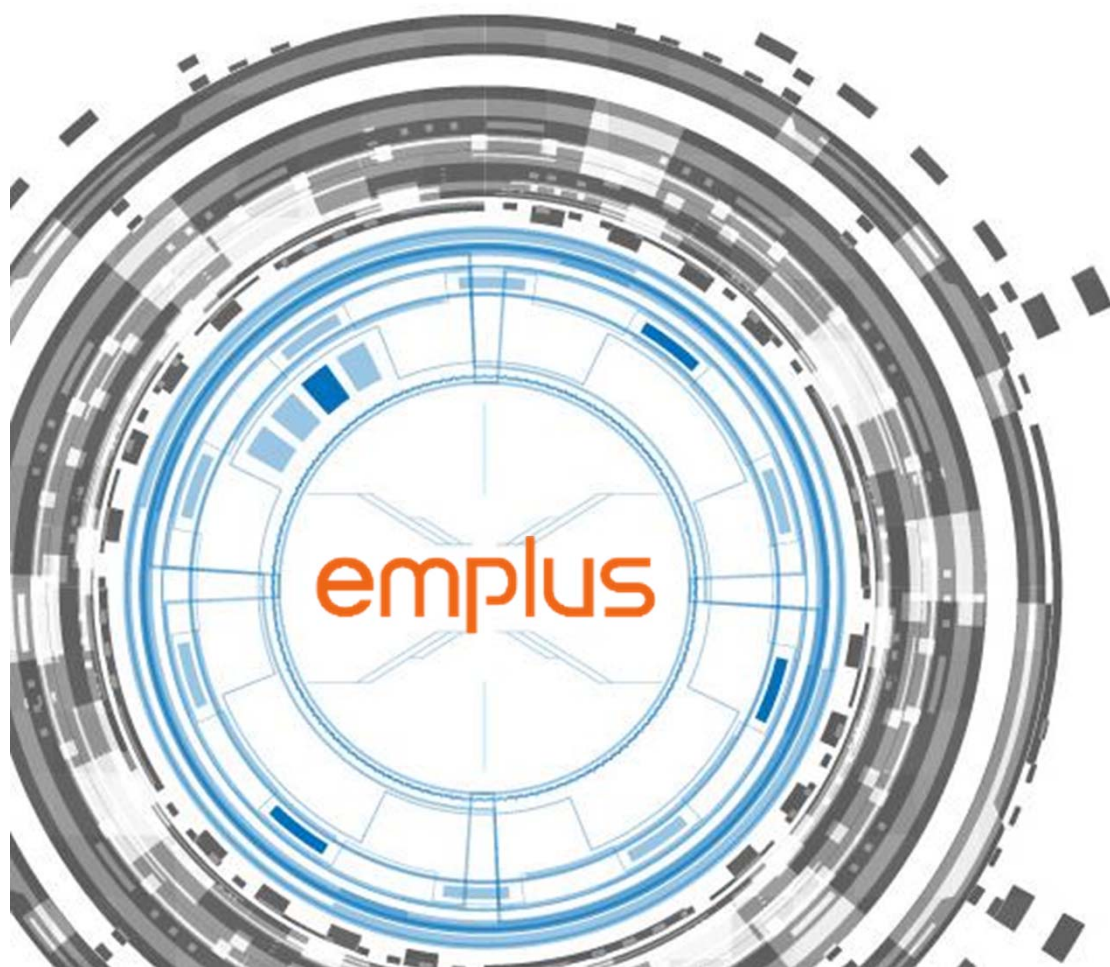




MW09

Antenna measurement report

V0.a
Tim Chao
2026/03/09

Agenda

- History
- Antenna Placement
- Antenna Information
- Test Setup
- Test Flow and Chart
- Gain table
- 2D Radiation Pattern

History

Date	Description	Version
2026/03/09	Draft, 13dBi	V0.a

Antenna Placement

- MW09 13dBi have total six ports as picture :
- 5GHz * 2 (port 3,4)



Antenna Information

Antenna	Model name
13dBi	ATS-OP-245-13-6NP-36

Manufactory : AccelTex Solutions

Add : 12000 Crownpoint Dr #165, San Antonio, TX 78233, USA

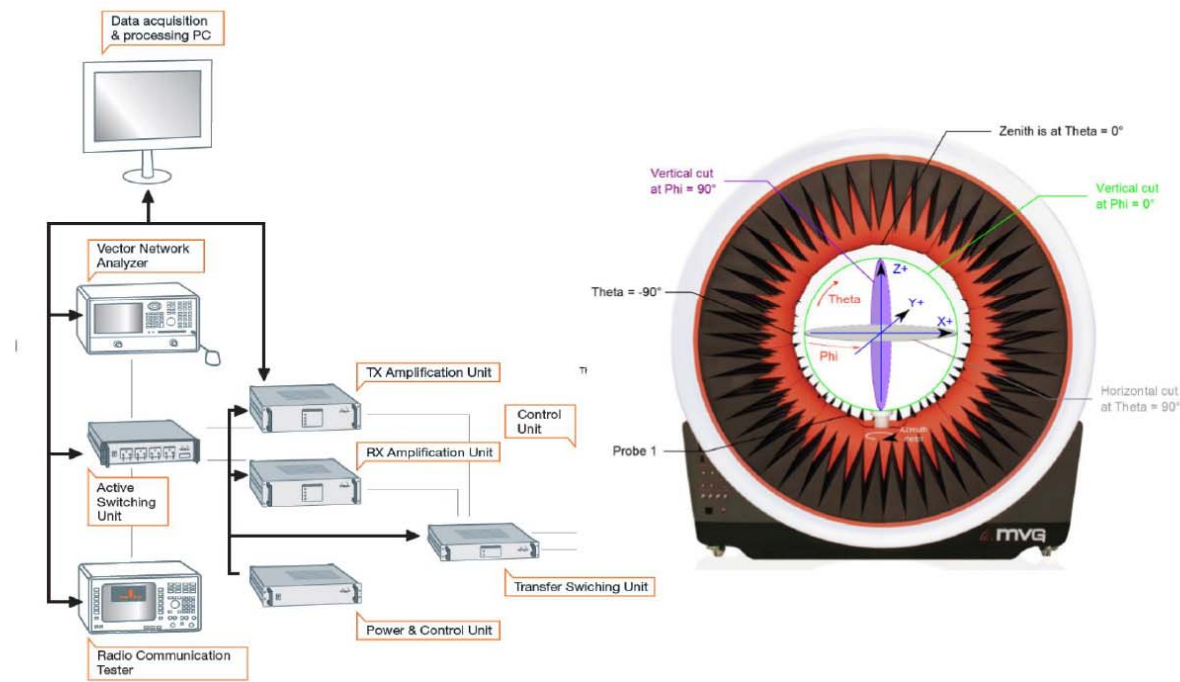
Test Setup

- Equipment and calibration date
Satimo starlab 2021/1/5
- Test date
2021/3/24
- Test member
Chris
- Test software
MVG Studio
- Test location information
awan-ant;No.207-1, Sec.3, Beixin rd., Xindian Dist.,
New Taipei City 231, Taiwan

Test Flow and Chart

- Setup the DUT as previous page.
- There are dual-polarization probes in the ring absorber, which can receive the EM-wave and measurement the Theta-direction radiation pattern.
- After all probes measured, the turn table will rotate a degrees by horizontal. (Phi-direction)
- When the turn table rotate 5 degrees, doing the probes measurement again.
- After the turn table rotate 180 degrees, all the measurement will be done.

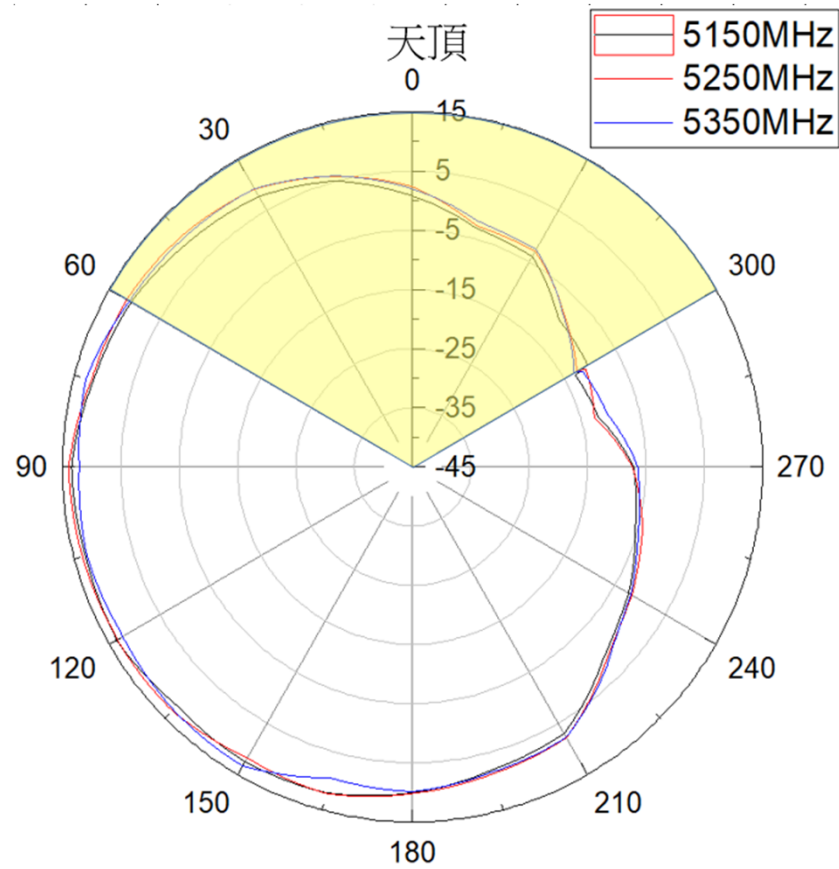
Antenna Test System



Combine Gain table

Peak Gain (dBi)	5150MHz	5250MHz	5350MHz
5GHz Combine	13.6	13.92	13.3

2D Radiation Pattern





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