



ANTENNA TEST REPORT

SUMMARY OF TEST RESULTS

Item	Specification
Frequency	2.4 - 2.5 GHz
Peak Gain (max.)	-0.92 dBi
Average Gain	-8.40 dBi
V.S.W.R.	3.395 max.
Antenna Type	Printed Monopole Antenna
Polarization	Linear
Impedance	50 ohm

MEASUREMENT EQUIPMENT

Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
S-Parameter Network Analyzer	Agilent	E8358A	US40260243	05/24/04
Signal Generator	Agilent	83630B	3844A01022	01/14/05
Spectrum Analyzer	Agilent	E4446A	MY43360131	01/10/05
Horn antenna	EMCO	3115	00022250	02/26/05
Spectrum Analyzer	Agilent	E4446A	MY43360131	01/10/05

Reviewed by:

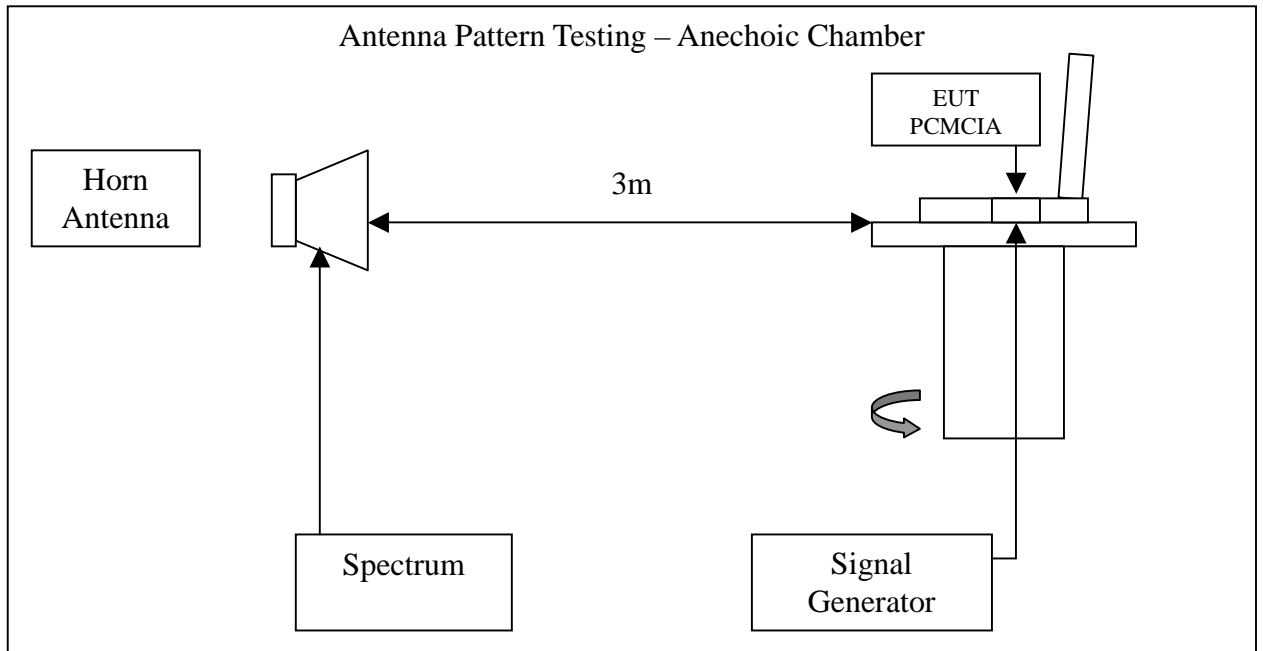
Tested by:

James Lee
Section Manager
Compliance Certification Services Inc.

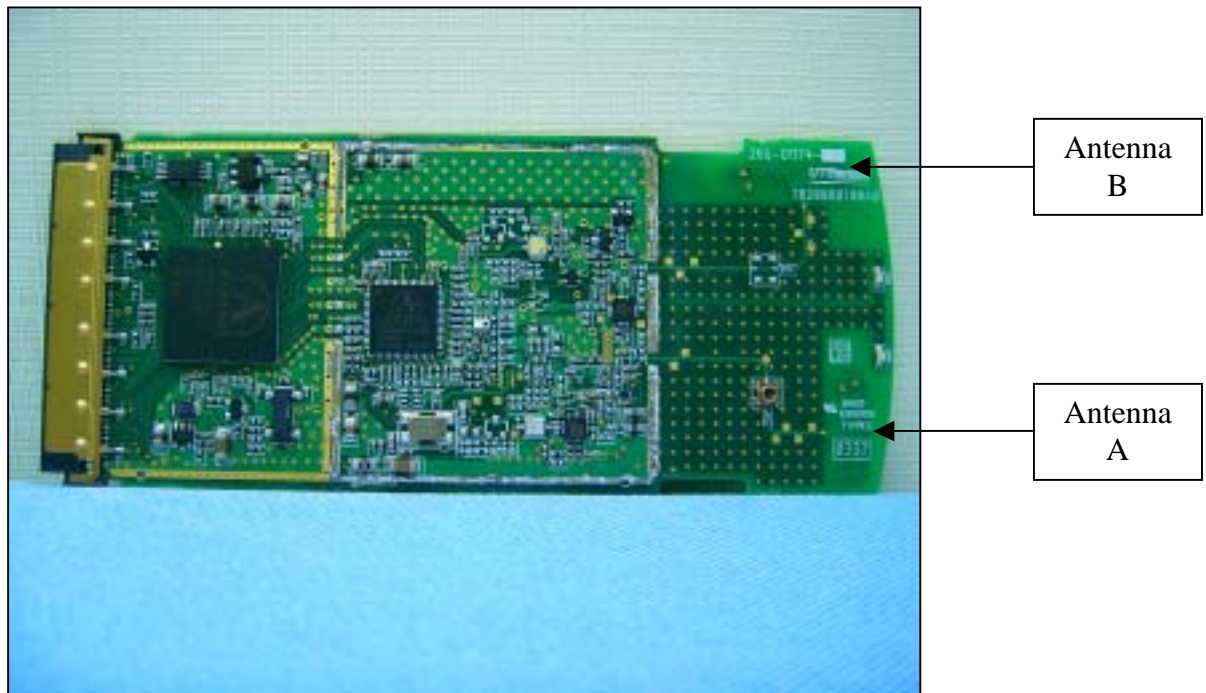
Devin Cheng
Section Manager
Compliance Certification Services Inc.

1. ANTENNA TEST CONDITIONS

Test Setup



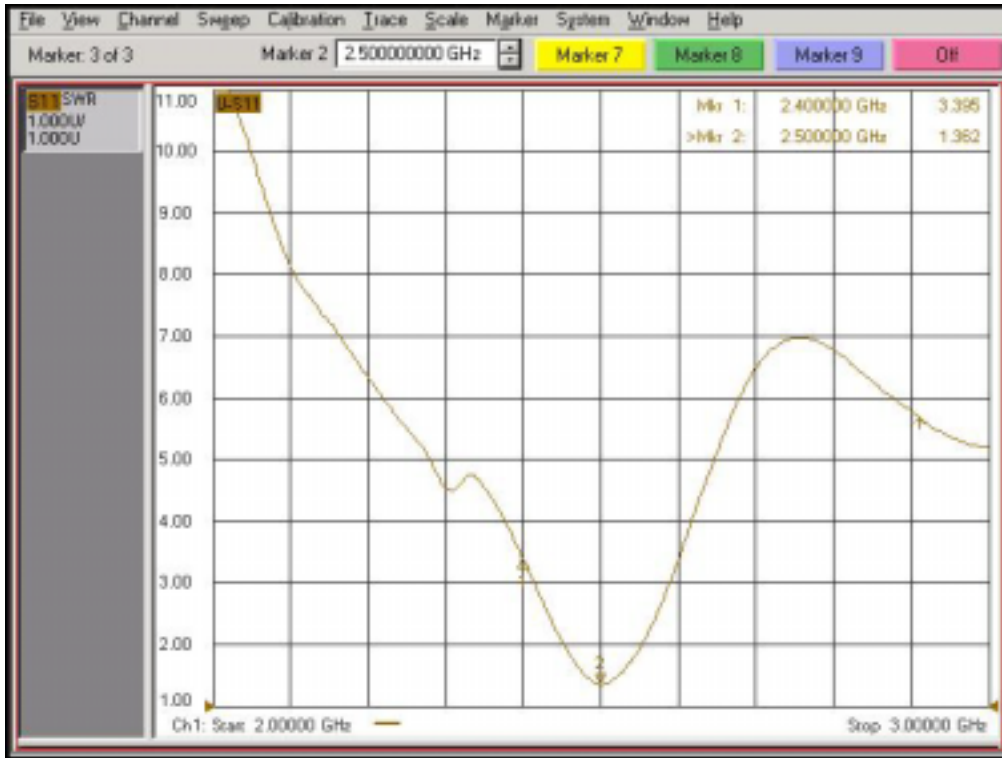
EUT Antenna Description



2. ELECTRICAL CHARACTERISTICS

V.S.W.R.

Antenna A

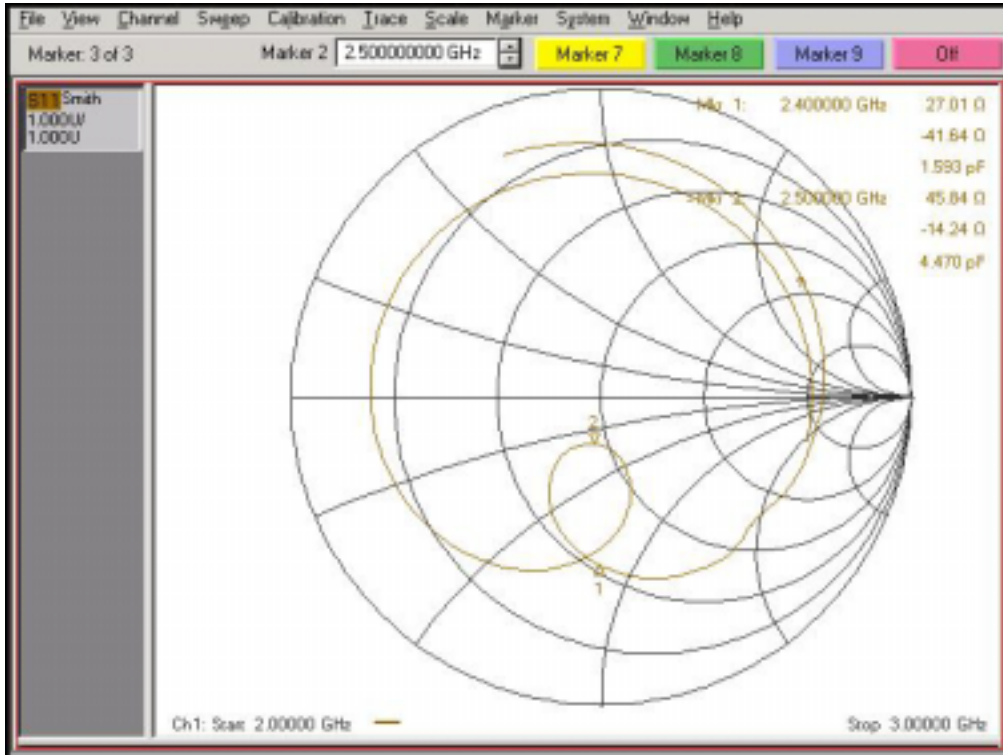


Antenna B

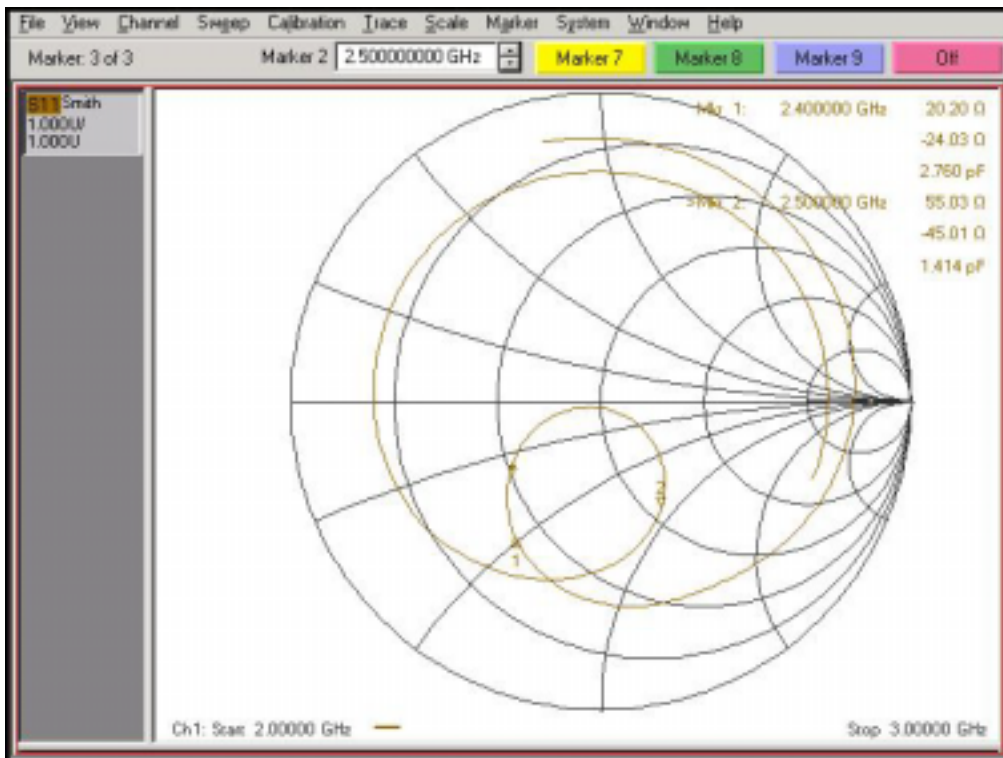


Smith Chart

Antenna A



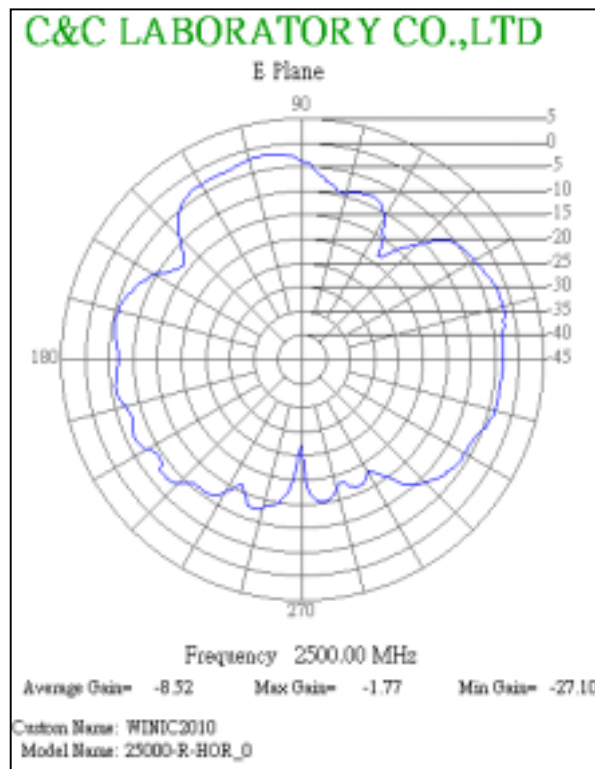
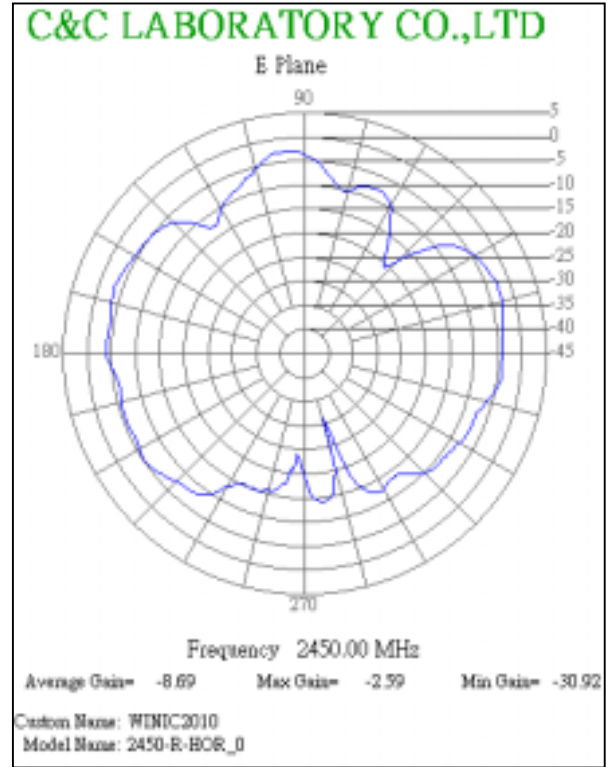
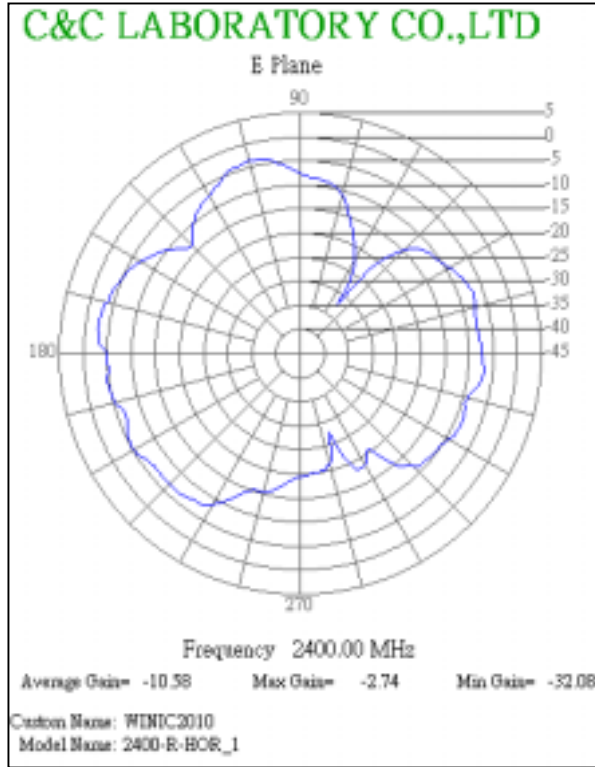
Antenna B



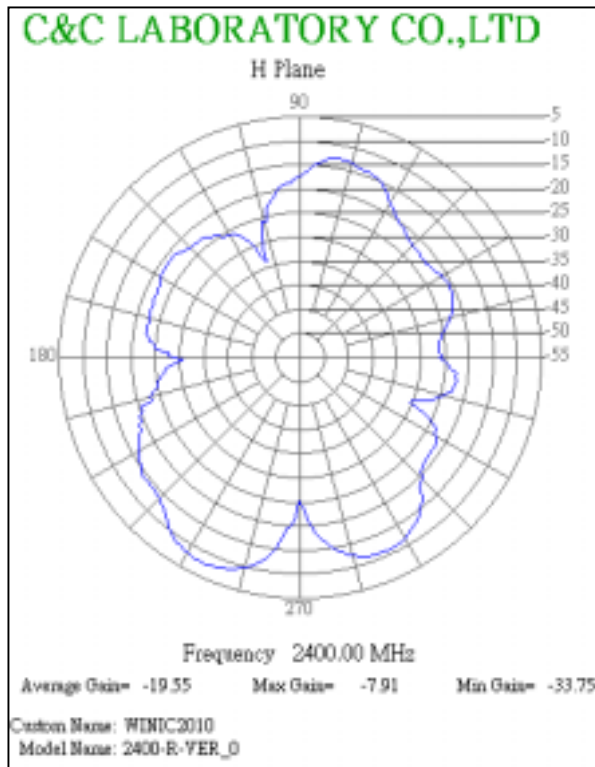
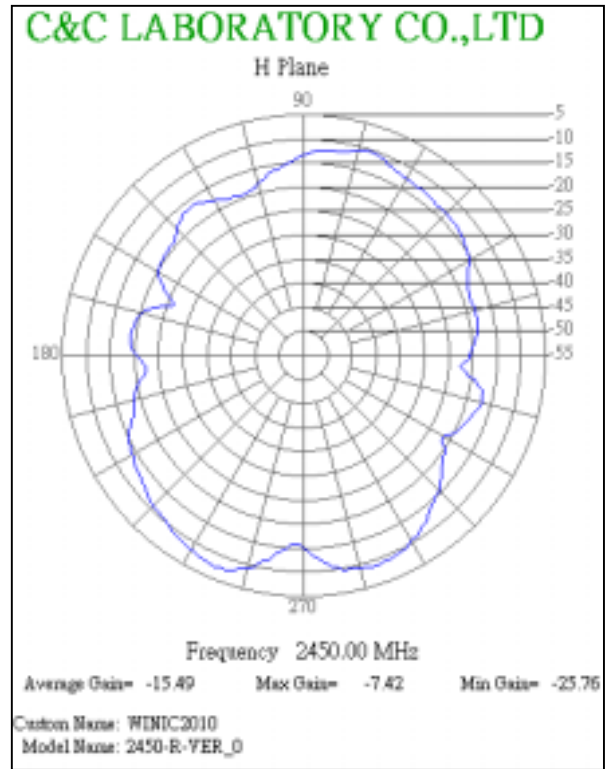
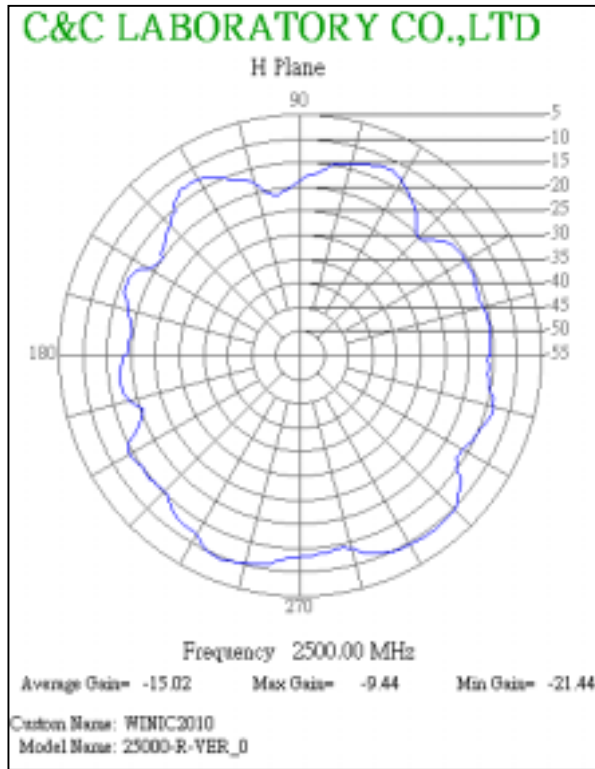
3. ANTENNA PATTERNS

Antenna A

- Co-plane (E-plane)

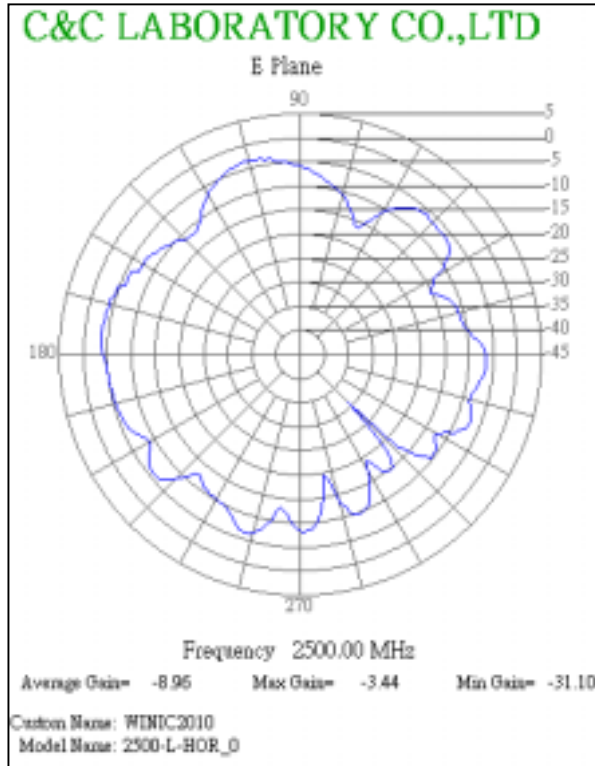
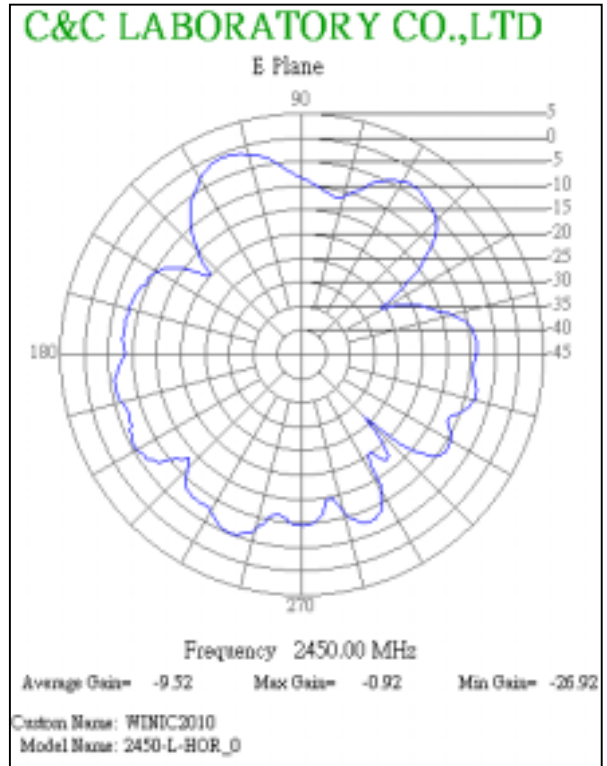
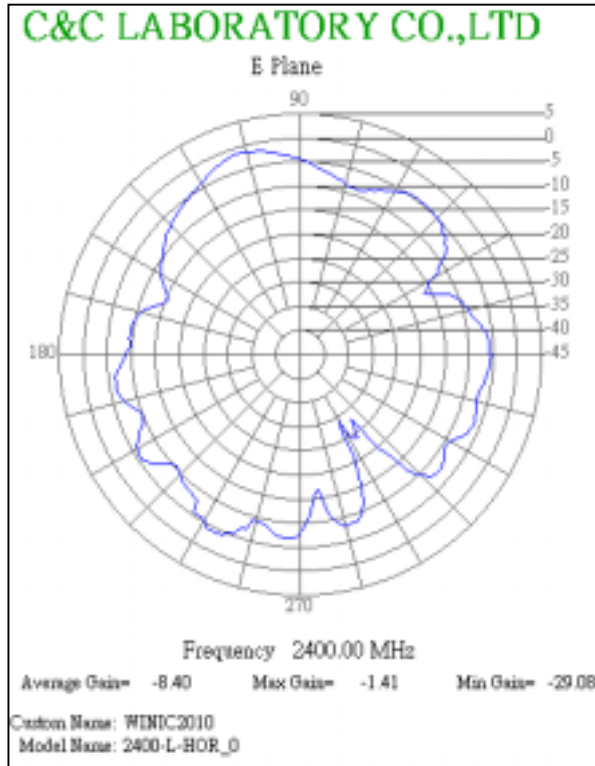


● Cross-plane (H-plane)



Antenna B

- Co-plane (E-plane)



● Cross-plane (H-plane)

