

Antenna Return Loss & Radiation Pattern Report

Version: 0.1

Project Name: SBUM

Test Date: 10/16/2007

Tested by: Foxlink & A Test Lab Techno Corp.

CONTENT

TEST SETUP.....4

1.1 TEST UNIT.....4

1.2 TEST EQUIPMENT4

1.3 TEST RESULT SUMMARY.....5

 1.3.1 Return Loss.....5

 1.3.2 Radiation Pattern at 2402,2441,2480MHz.....5

1.4 UNIT 1 RETURN LOSS AND RADIATION PATTERN.....6

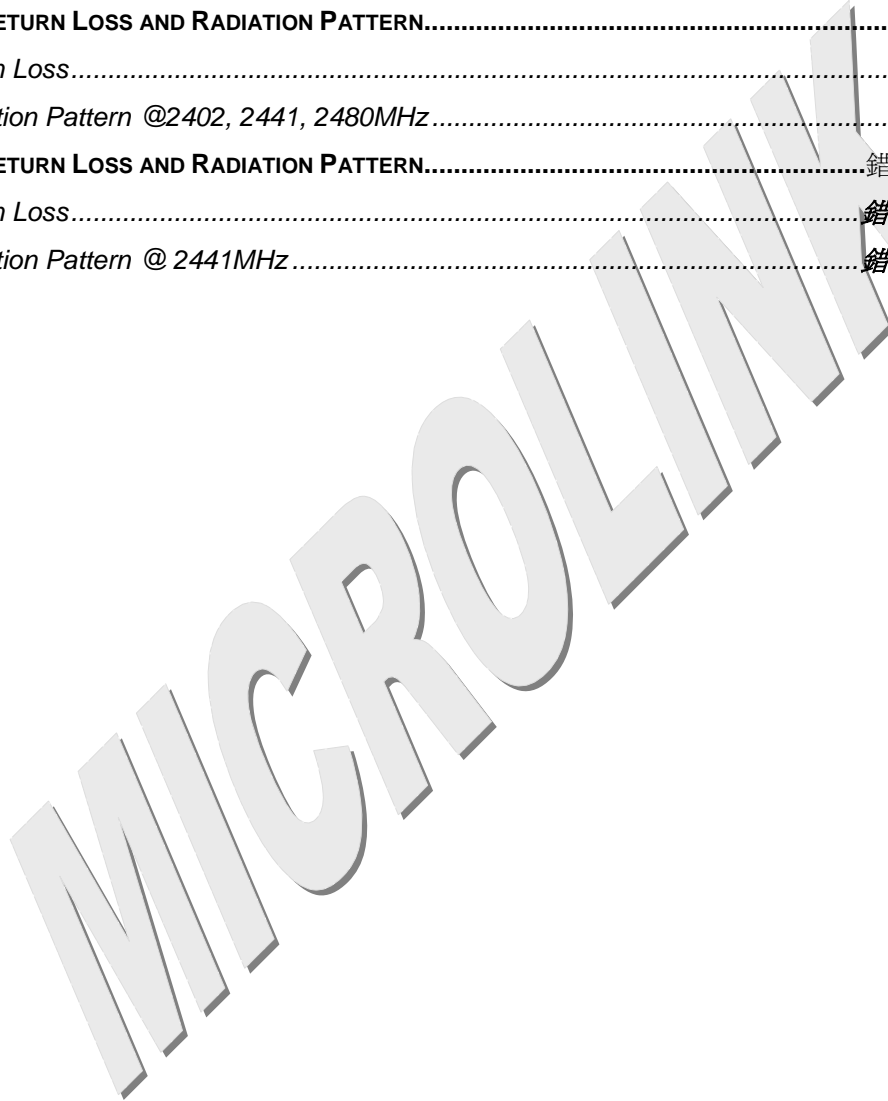
 1.4.1 Return Loss.....6

 1.4.2 Radiation Pattern @2402, 2441, 2480MHz.....6

1.5 UNIT 2 RETURN LOSS AND RADIATION PATTERN.....錯誤! 尚未定義書籤。

 1.5.1 Return Loss.....錯誤! 尚未定義書籤。

 1.5.2 Radiation Pattern @ 2441MHz.....錯誤! 尚未定義書籤。



Document History

Rev.	Date	Author	Reason for Changes
0.1	10/16/2007	Plato Lee	<ul style="list-style-type: none">• First Release

MICROLINK

TEST SETUP

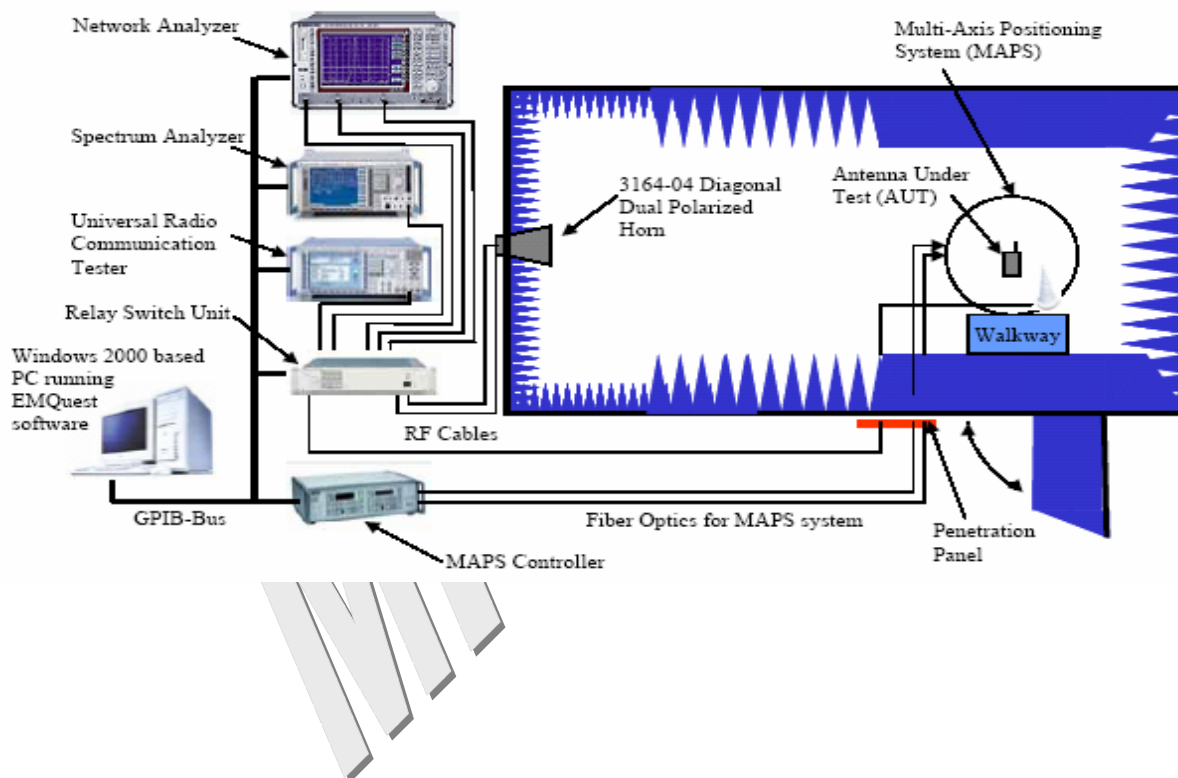
1.1 Test Unit

1. Hardware Version:
2. Housing: Block mockup with trapezoid and rectangle cavity

1.2 Test Equipment

1. AMS-8500 System
2. Test Method: 3D radiation pattern
3. Test Lab: A Test Lab Techno Corp.

Typical AMS-8500 System Schematic



1.3 Test Result Summary

1.3.1 Return Loss

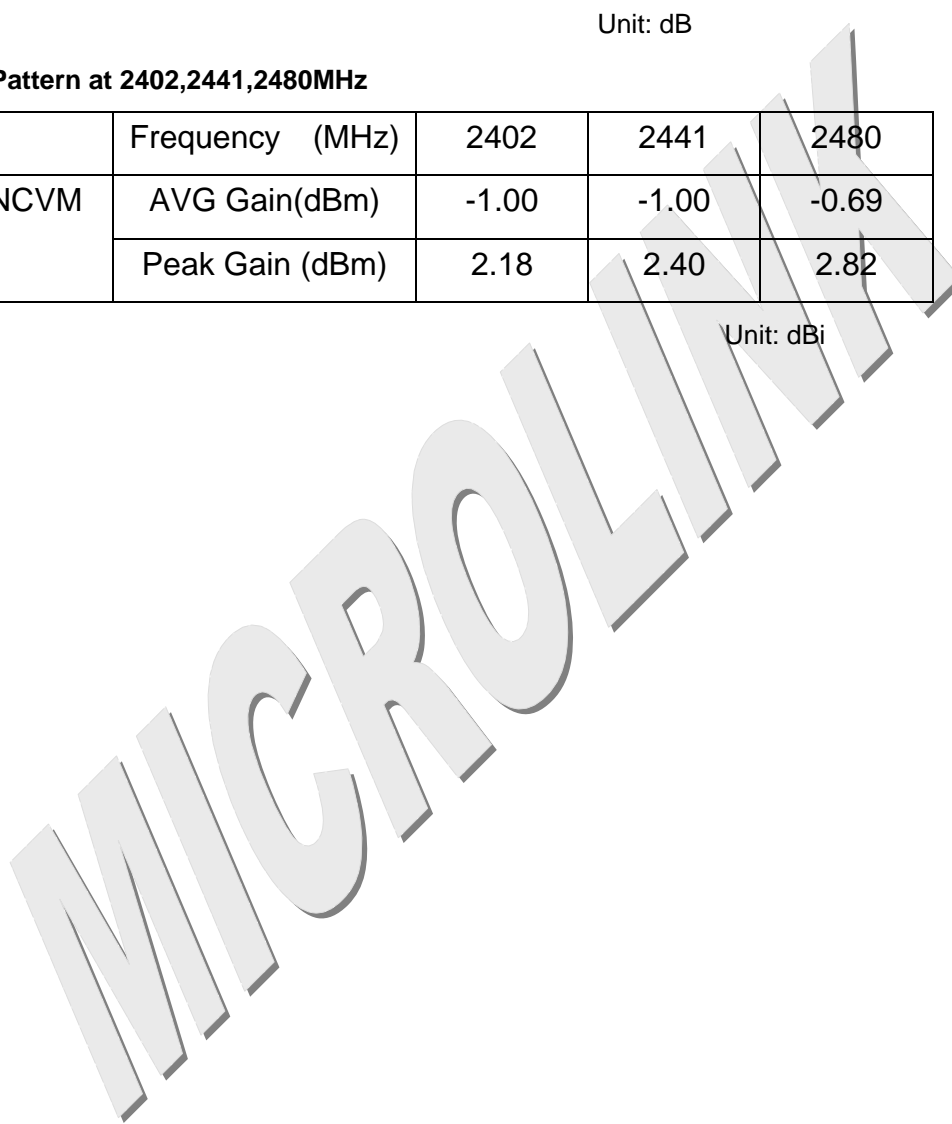
Frequency	2402MHz	2441MHz	2480MHz
Sample 1	-20	-19	-19

Unit: dB

1.3.2 Radiation Pattern at 2402,2441,2480MHz

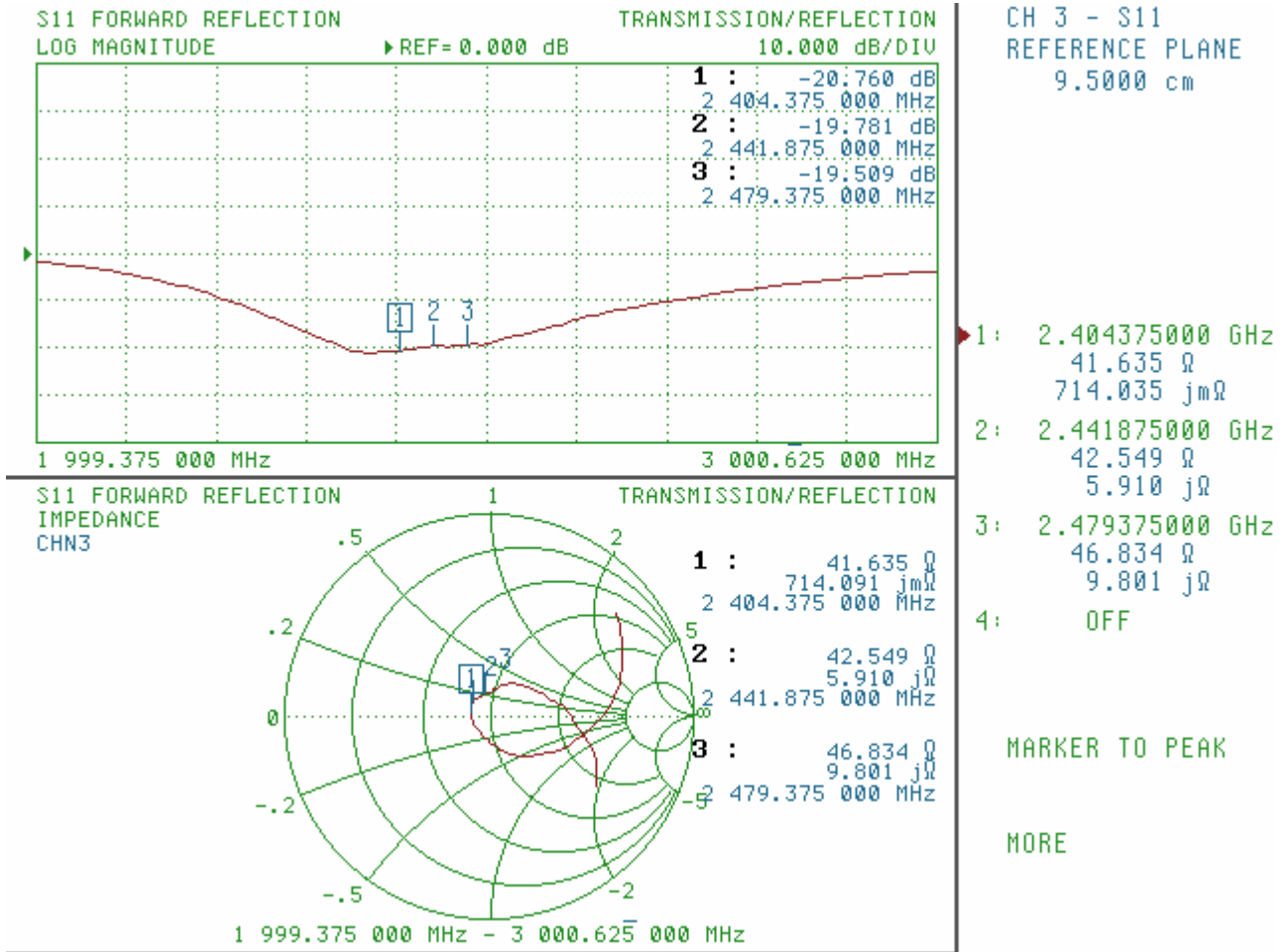
	Frequency (MHz)	2402	2441	2480
NCVM	AVG Gain(dBm)	-1.00	-1.00	-0.69
	Peak Gain (dBm)	2.18	2.40	2.82

Unit: dBi



1.4 Unit 1 Return Loss and Radiation Pattern

1.4.1 Return Loss



1.4.2 Radiation Pattern @ 2441MHz

Free Space:

With NCVM



RIM-B1.pdf