KTL Test Report:	0R03222 Issue 2.0
Applicant:	Nortel Networks 21 Richardson Side Road Kanata, Ontario K2K 2C1
Equipment Under Test: (E.U.T.)	CTR 24-01M, RWI P/N 101851-26 Nortel CPC: A0760008
	Also Covers CTR 24-01MO, NTVG12BD
In Accordance With:	FCC Part 101, Subpart C
Tested By:	KTL Ottawa Inc. 3325 River Road, R.R. 5 Ottawa, Ontario K1V 1H2
Tested By: Authorized By:	3325 River Road, R.R. 5
-	3325 River Road, R.R. 5 Ottawa, Ontario K1V 1H2
-	3325 River Road, R.R. 5 Ottawa, Ontario K1V 1H2
Authorized By:	3325 River Road, R.R. 5 Ottawa, Ontario K1V 1H2 <i>Auxell Munt</i> R. Grant, Wireless Manager

Table of Contents

Section 1.	Summary of Test Results	3
Section 2.	General Equipment Specification	5
Section 3.	RF Power Output	7
Section 4.	Occupied Bandwidth	8
Section 5.	Spurious Emissions at Antenna Terminals	.59
Section 6.	Field Strength of Spurious Emissions	.63
Section 7.	Frequency Stability	.64
Section 8.	Test Equipment List	.65
Annex A	Test Diagrams	A1

Section 1. Summary of Test Results

General

All measurements are traceable to national standards.

These tests were conducted on a sample of the equipment for the purpose of demonstrating compliance with FCC Part 101, Subpart C.



New Submission Class II Permissive Change



Production Unit Pre-Production Unit



Equipment Code

THIS TEST REPORT RELATES ONLY TO THE ITEM(S) TESTED.

THE FOLLOWING DEVIATIONS FROM, ADDITIONS TO, OR EXCLUSIONS FROM THE TEST SPECIFICATIONS HAVE BEEN MADE. See "Summary of Test Data".

NVLAP LAB CODE: 100351-0

Glen Westwell, Technologist

TESTED BY:

DATE: January 24, 2001

KTL Ottawa Inc. authorizes the above named company to reproduce this report provided it is reproduced in its entirety and for use by the company's employees only.

Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of such third parties. KTL Ottawa Inc. accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

This report applies only to the items tested.

EQUIPMENT: CTR 24-01M ISSUE: 2.0

Summary Of Test Data

Name Of Test	Para. No.	Result
RF Power Output	101.113	Complies
Occupied Bandwidth	101.111	Complies
Spurious Emissions at Antenna Terminals	101.111	Complies
Field Strength of Spurious Emissions	101.111	Complies
Frequency Stability	101.107	Complies

Footnotes For N/A's:

Test Conditions:

.

Indoor	Temperature: Humidity:	24 °C 42 %
Outdoor	Temperature: Humidity:	N/A N/A

Section 2. General Equipment Specification		
Manufacturer:	Nortel Networks	
Model No.:	CTR 24-01M, SW Version 1.2 RWI P/N 101851-26 Nortel CPC: A0760008	
Serial No.:	None	
Date Received In Laboratory:	October 30, 2000	
KTL Identification No.:	Item #1	
Transmitter		
Supply Voltage Input:	+18 VDC	
Frequency Range:	Tx 25.05260 GHz to 25.24740 GHz @ 3.3 MHz Channel Spacing Tx = 25.05370 GHz to 25.24630 GHz @ 5.5 MHz Channel Spacing	
Tunable Bands:	None	
Types of Modulation:	4, 16, 64 QAM @ 2.048 Msps FDMA @ 4.224 Msps FDMA	
Internal/External Data Source:	External	
Emission Designator:	2M18D9W & 5M48D9W @ 3.3 MHz CH. Spacing 4M43D9W & 9M93D9W @ 5.5 MHz CH. Spacing	
Output Impedance:	50Ω	
RF Power Output (rated):	12 dBm to 18 dBm	
Channel Spacing(s):	3.3 MHz @ 2.048 Msps 5.5 MHz @ 4.224 Msps	
Power Output Adjustment Capability:	0-21 dBm Attenuation	

Equipment Under Test

- (1) CTR 24-01M, RWI P/N 101851-26, Nortel CPC: A0760008
- (2) NIU 6154 NTVJ09CA 02 NNTM532LMU39
- (3) NIU 6154 NTVJ09CA 02 NNTM532LN60A

Section 3. RF Power Output

Para. No.: 1.1046

Minimum Standard: 101.113 (a)

Test Results:

Complies.

The RF output power is within 1 dBm of the rated power.

Measurement Data:

	Rated (dBm)	Measured (dBm)
	18	18.7
1 Carrier	16	16.6
	14	14.5
	18	18.7
2 Carriers	15	15.4

12

12.5

Section 4. Occupied Bandwidth

Para. No.: 2.1049

Test Performed By: Glen	Westwell	Date of Test:	November 3, 2000
Minimum Standard:	101.111 (a)(2)(ii)		
Test Results:	Complies.		
Test Data:	See attached graph(s).		
Note:	In plots where 100 kHz RBW decreased by another 10 dB.	was used, the li	mit has been



















































