



C-MAC Engineering  
21 Richardson Side rd  
Kanata ON K2K 2C1 · Canada  
**Tel** 613 763 7847  
**Fax** 613 763 8091

[www.cmac.com](http://www.cmac.com)

Denis Lalonde  
Radio Compliance Specialist

January 25, 2001

Federal Communications Commission  
Authorization and Evaluation Division  
Equipment Authorization Branch  
7435 Oakland Mills Road  
Columbia, Maryland, 21046

**Re: AB6CTR2401M**

Dear Sir or Madam:

This is a FCC Part 101 application for Nortel Network's iBWA 5100 24-01M CPE LMDS transceiver. The FCCID of this equipment is AB6CTR2401M.

Two test reports are submitted. The main report demonstrate compliance of the LMDS CPE transceiver while it transmits signal described by the following emission designators: 2M18D9W, 5M48D9W, 4M43D9W, and 9M93D9W. An addendum report is also submitted to demonstrate compliance of the product while it transmits a 2M8D9W, 5M6D9W, 6M2D9W, or 12M4D9W signal

The power levels listed on Form 731 and recorded in the test reports are composite power levels.

<b>Emission Designator</b>	<b>Channel Spacing (MHz)</b>	<b>Composite Power (dBm)</b>	<b>Sub-carrier Power (dBm)</b>	<b>Comment</b>
2M18D9W	3.3	18	18	1 carrier
2M8D9W	3.5	15	15	1 carrier
4M43D9W	5.5	18	18	1 carrier
5M48D9W	6.6	18	15	2 x 3.3 MHz carriers
5M6D9W	7.0	18	18	1 carrier
6M2D9W	7.0	15	12	2 x 3.5 MHz carriers
9M93D9W	11.0	18	15	2 x 5.5 MHz carriers
12M4D9W	14	18	15	2 x 7.0 MHz carriers



Nortel Networks requests, pursuant to 47 CFR 0.457 and 0.459 of the commission's rules, that the following items be held CONFIDENTIAL due to their proprietary nature. Nortel Networks considers this leading edge technology developed by Nortel and its partners and being new technology, would not want to make this information available to its competitors.

	<b>Exhibit Type</b>	<b>File name of Exhibit</b>
1.	Schematics	advgl2ba-am-04.pdf
2.	Parts list	24-01M_CTR_Generic_Parts_List.doc
3.	Parts list	24-01M_CTR_Unique_Parts_List.doc
4.	Block Diagram	24-01M_CTR_Block Diag.doc

Please call me or write if you have any questions or comments.

Regards,

Denis Lalonde  
Product Integrity  
email: [dlalonde@kan.cmac.com](mailto:dlalonde@kan.cmac.com)  
C-MAC Engineering