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

Re: AB6BTR2401M0

Dear Sir or Madam:

This is a FCC Part 101 application for Nortel Network's iBWA 5100 24-01M0 BTS LMDS transceiver. The FCCID of this equipment is AB6BTR2401M0.

Two test reports are submitted. The main report demonstrate compliance of the LMDS BTS transceiver while it transmits signal described by the following emission designators: 7M83D9W and 37M8D9W. An addendum report is also submitted to demonstrate compliance of the product while it transmits a 6M0D9W and 26M8D9W signal

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

Emission Designator	Channel Spacing (MHz)	Composite Power (dBm)	Sub-carrier Power (dBm)	Comment
6M0D9W	7.0	20.0	20.0	1 carrier
7M83D9W	10.0	22.0	22.0	1 carrier
26M8D9W	28.0	17.5	11.5	4 x 7 MHz carriers
37M8D9W	40.0	20.5	14.5	4 x 10 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.

Exhibit Type	File name of Exhibit
1. Schematics	advgl1ba-am-08.pdf
2. Parts list	24-01MO_BTR_Generic_Parts_List.doc
3. Parts list	24-01MO_BTR_Unique_Parts_List.doc
4. Block Diagram	24-01MO_BTR_Block Diag.doc

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

Regards,

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Product Integrity
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C-MAC Engineering