



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

www.cmac.com

Denis Lalonde
Radio Compliance Specialist.

December 1, 2000

American TCB, Inc.
6731 Whittier Avenue
Suite C110
McLean, VA 22101

Re: AB6NTHV5XD

Dear Sir or Madam:

This is a Part 101 and Part 15 application for the Nortel Networks iBWA System 3200 that operates in the 18 GHz band. The FCCID of this equipment is AB6NTHV5XD. The Part 101 test report is for the 18 GHz transceiver contained in this equipment while the Part 15 test report is for a 418 MHz low power unlicensed transmitter which is also found in the equipment housing.

The iBWA System 3200 (18 GHz) will be deployed on several frequency sub-bands within the 17.7 GHz to 19.7 GHz band. The only frequency dependent component of the iBWA System 3200 (18 GHz) is the diplexer. The product was tested without the diplexer in order to reduce the number of applications.

The iBWA System 3200 (18 GHz) operates with several types of antenna: 60 cm, 90cm, and 120 cm diameter. The gain of these antennas is between 39 dB and 44.9 dB. The maximum EIRP from the iBWA System 3200 (18 GHz) is therefore below 3090 W. A radiation hazard evaluation is included in the application. It demonstrates that the radio's power density is below 1 mW/cm² at any distance.

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

Regards,

Denis Lalonde
Product Integrity
email: dlalonde@kan.cmac.com
C-MAC Engineering