



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 Ms. Hawkins:

Although it wasn't specified in the original test report, we believe that the Nortel Networks iBWA System 3200 (18GHz) meets the 15.231 e) exception requirements. This is demonstrated in a new issue of the test report that was uploaded in the FCC/OET web site using the "Add Attachments" button. The name of the new test report document is "Test Report Issue 2.pdf".

1. The device has emissions below levels defined in FCC Part 15.231 e). This is demonstrated by the new test report results that show better than 10 dB margin against 15.231 e) limit levels.
2. This device has a 20 dB emission bandwidth which is less than 0.25% of the transmitter frequency. The test report demonstrates that the emission bandwidth is 52 kHz. This is 0.012% of the transmitter frequency.
3. This device limits the duration of transmission to less than 1 second. This is demonstrated by the test report which includes a statement that defines the maximum transmission duration as 368 msec.
4. The transmission of this device can only be triggered by the command of a manually controlled Hand Held Terminal (FCCID: AB6NTHV45AA). The handheld terminal will be infrequently used. Typical usage will take place when; the radio is installed, the 23 GHz microwave radio link parameters needs to be modified, the microwave radio link is defective.

The device will transmit only when requested by the hand unit (HHT). It will never transmit without a request from the NTHV45AA hand unit.

The hand unit software enforces a silence period of more than 11 seconds between its transmissions, therefore, the 418 MHz device in the NTHV5XD equipment will always have at least 11 seconds of silence between its transmission replies.

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

