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Radio Compliance Specialist.

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

**Re: AB6NTHV5XG**

Dear Sir or Madam:

This is a Part 101 and Part 15 application for the Nortel Networks iBWA System 3200 that operates in the 23 GHz band. The FCCID of this equipment is AB6NTHV5XG. The Part 101 test report is for the 23 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 (23 GHz) will be deployed on several frequency sub-bands within the 21.2 GHz to 23.6 GHz band. The only frequency dependent component of the iBWA System 3200 (23 GHz) is the diplexer. The product was tested without the diplexer in order to reduce the number of applications.

The iBWA System 3200 (23 GHz) operates with several types of antenna: 30 cm, 60cm, and 120 cm diameter. The gain of these antennas is between 35.5 dB and 46.6 dB. The maximum EIRP from the iBWA System 3200 (23 GHz) is therefore below 4571 W. A radiation hazard evaluation is included in the application. It demonstrates that the radio's power density is below 1 mW/cm<sup>2</sup> at any distance.

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**

1. Schematics
2. Block Diagrams

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

Regards,

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Product Integrity  
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