



**Date** 05/ January / 2005  
**To** To Whom It May Concern  
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**From** Product Approvals Team

**NORTEL CONFIDENTIAL**

**Subject** Certification Application for AB6S8000BTS  
**Reference** Nortel/PA/05027

Please accept this application for the certification of the product **AB6S8000BTS** filed under Part 2 Subpart J, for equipment operating under Part 22, Subpart H and Part 24 Subpart E of the regulations of the Federal Communications Commission.

The product for which certification is sought is Nortel Network's 850 MHz/1900 MHz GSM indoor and outdoor base stations (S8000).

All detailed information for the system is included in the respective exhibits as required by the Rules. The S12000 was previously certified for the following configurations- **FCC ID numbers: AB6S8000**

850/1900 MHz dual Band – 850MHz single band – 1900MHz single band

HePA 1900Mhz ( GMSK 60W / 8PSK 45W)

GMSK modulation code

8PSK modulation code

H4D coupler

H2D coupler

Duplexer

Please reference the above filings for conducted test data and documentation supporting the configurations identified.

The radiated data and documentation presented in this application supports the following additional configurations

HePA 850 Mhz ( GMSK 60W / 8PSK 45W)

DRX ND / ND2 PCS1900 (GMSK)

The above configurations all use the identical platform and are field configurable systems. Nortel wishes to introduce a 60 Watt High Power amplifier, which as per FCC part 2 of the rules requires a new application for equipment authorization be submitted. Due to complexity of managing many ID numbers for the same system, Nortel is submitting the new application with test data for the new increased power configurations, and all of the configurations noted above under the existing approvals.

Note that the 850 Mhz HePA (power amplifier) has received stand alone certification by their manufacturer **Andrew**. The PA is certified **under FCC ID: S8L-100306HEPA**

Products Approvals Team  
Nortel