

EXHIBIT 2

Test Report Summary

Applicant: Nortel Networks

For Class II Permissive Change on :

FCC: AB6NT1900RM-CBTS IC: 332D-CBS1G9RM

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Test Report Summary for FCC Equipment Authorization

FCC ID :AB6NT1900RM-CBTS (CDMA cBTS 1900MHz RM)IC ID:332D-CBS1G9RM

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| Author: | Thomas Wong | |

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1 Introduction

This test report is submitted in accordance with the FCC Rules and Regulations, Part 2, Subpart J, Sections 2.1046 through 2.1057 for equipment authorization of Nortel Networks' CDMA 1900 MHz Radio Module for cBTS Basestation. The 1900 MHz cBTS RM is intended for use in the Domestic Public Cellular Radio Telecommunications Service and is designed in accordance with the following standards:

- CFR 47, Part 24, Subpart E, Broadband Personal Communications Service [1]
- CFR 47, Part 2, Subpart J, Equipment Authorization Procedures Equipment Authorization[2]

1. Test Result Summary

Table 1 summarizes the measurement results for the CDMA 1900 MHz cBTS RM.

| FCC Measurement Specification | FCC Limit Specification | Description | Results | Test(s) Conducted by | Remarks |
|-------------------------------------|----------------------------|---|--|-------------------------|----------------|
| 2.1033(c)(8) | | Measurement of DC Power | | Nortel Networks | |
| 2.1046 | 24.232 | RF Output Power | Compliant | Nortel Networks | See Exhibit 2A |
| 2.1049 | | Occupied Bandwidth | OBW = 1.27054 MHz (one carrier) OBW = 2.49298 MHz (two carriers) OBW = 3.71943MHz (three carriers) | Nortel Networks | See Exhibit 2A |
| 2.1051, 2.1057 | 24.238 | Spurious Emission at Antenna Terminals | Compliant | Nortel Networks | See Exhibit 2A |
| 2.1053, 2.1057 | 24.238 | Field Strength of Spurious Radiation | Compliant | NTS Calgary | See Exhibit 2B |
| 2.1055 | 24.238 | Frequency Stability | Compliant | Nortel Networks | See Exhibit 2A |

Table 1: Test Results Summary

2. Engineering Declaration

The CDMA 1900 MHz cBTS RM has been tested in accordance with the requirements contained in the Federal Communication Rules and Regulations Part 2 and 24.

To the best of my knowledge, these tests were performed in accordance with good engineering practices using measurement procedures consistent with industry or commission standards or previous Commission correspondence or guidance and demonstrate that this equipment complies with the appropriate standards. All tests (including tests performed by NTS Calgary) were conducted on a representative sample of the equipment for which original equipment certification is sought.

Report Prepared by

Signature Ski K

Thomas Wong Regulatory Prime Nortel Networks Calgary, Alberta

March 15, 2006

3. Type Acceptance Application Requirements

3.1 Name of Applicant

The applicant is Nortel Networks Inc.

3.2 Identification of Equipment

The equipment in this application for type acceptance is the Nortel's CDMA 1900 MHz cBTS RM. The 1900MHz cBTS RM is marketed under the model number NT1900RM. The FCC ID number sought for original equipment certification is AB6NT1900RM-CBTS. The IC number is 332D-CBS1G9RM.

3.3 Quantity Production

The 1900 MHz cBTS RM will be produced in quantity.

3.4 Technical Description

See Exhibit 3.

3.5 Type of Emissions

The 1900 MHz cBTS RM Assembly is designed to operate in digital mode.

The emission type is F9W for CDMA mode (IS95A and IS2000). The emission designators are 1M25F9W (1 Channel), 2M50F9W (2 Channels) and 3M75F9W (3 Channels).

The emission type is D9W for 1xEV-DO mode (IS856). The emission designators are 1M25D9W (1 Channel), 2M50D9W (2 Channels) and 3M75D9W (3 Channels).

Testing was conducted in single channel, two channel, and three channel modes for compliant. The emission designators were calculated based on requirements of FCC Rule Part 2, Subpart C -Emissions, section 2.201 and Section 2.202.

3.6 Frequency Range

The 1900 MHz cBTS RM operates in the 1900 MHz cellular band where the operating frequency ranges are 1850 – 1910 MHz for the receiver and 1930 – 1990 MHz for the transmitter. The following table shows the valid CDMA channels within this band. The 1900MHz cBTS RM

| Band | CDMA Channel Number | Transmitter Frequency Assignment for Base Station (MHz) | Valid IS97 CDMA Frequency Assignment |
|------|------------------------|---|--|
| А | 0-24 | 1930.00-1931.20 | In-Valid |
| | 25-275 | 1931.25-1943.75 | Valid |
| | 276-299 | 1943.80-1944.95 | Cond. Valid |
| D | 300-324 | 1945.00-1946.20 | In-Valid |
| | 325-375 | 1946.25-1948.75 | Valid |
| | 376-399 | 1948.80-1949.95 | Cond. Valid |
| В | 400-424 | 1950.00-1951.20 | In-Valid |
| | 425-675 | 1951.25-1963.75 | Valid |
| | 676-699 | 1963.80-1964.95 | Cond. Valid |
| Е | 700-724 | 1965.00-1966.20 | In-Valid |
| | 725-775 | 1966.25-1968.75 | Valid |
| | 776-799 | 1968.80-1969.95 | Cond. Valid |
| F | 800-824 | 1970.00-1971.20 | In-Valid |
| | 825-875 | 1971.25-1973.75 | Valid |
| | 876-899 | 1973.80-1974.95 | Cond. Valid |
| С | 900-924 | 1975.00-1976.20 | In-Valid |
| | 925-1175 | 1976.25-1988.75 | Valid |
| | 1176-1199 | 1988.80-1989.95 | Cond. Valid |

meets all FCC requirements within the valid (and conditional valid if A/D, B/E, or C/F are under the same operator) channels.

3.7 Range of Operating Power

The 1900 MHz cBTS RM range of operating RF power is 0 dBm (1W) to 46.0 dBm (40W). The maximum RF power output is 46.0 dBm (40W).

3.8 Complete Circuit Diagrams

The Tx chain of the 1900 MHz cBTS RM for certification is made up of RM (consists of radio and PA portions) and DPM (an OEM equipment). Exhibit 8 contains the schematics of circuit cards inside the RM and Exhibit 9 contains the parts lists of the circuit cards inside RM.

3.9 Tune-up Procedure

The tune-up tests will be performed as part of the factory testing on the 1900MHz cBTS RM. This procedure includes power output levels, spurious emissions, and occupied bandwidth. There are no end-user adjustments that will have any effect on these settings. No tune-up testing is required in the field.

3.10 Circuit Description for Frequency Determining and Stabilizing

The Global Positioning Satellite Timing Module (GPSTM) is the primary clock source in the system. It consists of two outputs:

EVEN_SEC Clock and, SYS_CLK (at 8fc or 9.8304 MHz)

In addition, the GPSTM has a 10 MHz reference output that can be used to synchronize external measurement equipment during system testing.

The GPSTM distributes the primary clock signals directly to the Control Module (CM) and the CORE modules (see Exhibit 3) which in-turn distribute the clock signals to the digital modules and to the 1900MHz RM via the high speed serial link.

The GPSTM has a frequency stability of better than 1.0 part per billion.

3.11 Circuit Description for Suppression of Spurious Radiation

The Tx band pass filter in the DPM provides out of band emission rejection and permits only signals in the Tx band to the antenna for emission. The close in-band spurs are being taken care of by the BBPD (Base-Band Pre-Distortion) circuitry in the 1900MHz RM.

3.12 Circuit Description for Limiting Modulation

This system employs digital modulation techniques producing CDMA forward and reverse channel air interfaces which are compatible with IS 95A, IS2000 and IS856 technical standards.

4. Measurement of DC Power

Section 2.1033(C)(8)

The DC voltages applied to and DC currents into the several elements of the final radio frequency amplifying device for normal operation over the power range.

Response:

Final Output Transistor: It has four final stage power transistors in parallel. The final state output power transistors each draw average about 2.3A @ 27Vdc.

5. Test Method and Test Result

5.1 Tests performed by Nortel Networks

RF Power Output

The maximum measured RF output power was 46.06 dBm for single carrier.

The maximum measured RF output power was 46.05 dBm for two carriers.

The maximum measured RF output power was 46.02 dBm for three carriers.

Occupied Bandwidth

The maximum measured occupied bandwidth was 1,270.54 kHz for single carrier.

The maximum measured occupied bandwidth was 2,492.98 kHz for two carriers.

The maximum measured occupied bandwidth was 3,719.43 kHz for three carriers.

Spurious Emissions at Antenna Terminals

The minimum pass margin for one, two and three carrier(s) is:

1 MHz upper and lower band edge measurements was 8.65 dB 1 MHz to 20 GHz measurements was 7.97 dB.

Frequency Stability

The worst case of the frequency stability over temperature -30 deg to 50 deg C and 85% to 115% of the nominal voltages is 0.005 ppm (9.538 Hz / 1960MHz).

Please refer to the Exhibit 2A for all test setups and results in details provided by Nortel Networks.

5.2 Tests performed by NTS Canada (Calgary).

Radiated Emission Test Results from 30MHz to 20 GHz

The minimum pass margin: 18.43 dB for H-Pol and V-Pol

Please refer to the Exhibit 2B for all test setups and results in details provided by NTS (Calgary).