EXHIBIT 3: FCC REQUIRED INFORMATION (PART 2.1033)

The following information is presented in the content and format requested by the FCC:

Section 2.911 (d) Qualification Of Engineers

Section 2.911 (d): Technical test data shall be signed by the person who performs or supervises the tests. The person signing the test data shall attest to the accuracy of such data. The Commission may require such person to submit a statement showing that he is qualified to make or supervise the required measurements.

Michael P. Farina is a Member of Technical Staff at Alcatel-Lucent USA, Inc., Whippany, NJ, formerly AT&T Bell Laboratories, with 49 years of Professional Experience in Research and Development. He holds a BS in Physics from Upsala College and an MSEE from New Jersey Institute of Technology. During the past 18 years, his expertise was focused on RF Engineering and Regulatory Agency EMC compliance and certification, covering Analog, TDM, CDMA and UMTS technologies. He has submitted numerous Applications for Certification filings to the FCC covering many product variations and evolutions in each of the four technologies. Currently, he is the Lead Engineer for filing UMTS Wireless Base Station products with the FCC.

> Rudolf J. Pillmeier Technical Manager FCC/EMC Compliance Test Group Whippany, New Jersey

Section 2.911 (e)(g) Certification of Technical Test Data

Section 2.911 (e) The signatures of the applicant and the person certifying the test data shall be made personally by those persons on the original application; copies of such document may be conformed. Signatures and certifications need not be made under oath.

Section 2.911 (g) Signed, as used in this section, means an original handwritten signature; however, the Office of Engineering and Technology may allow signature by any symbol executed or adopted by the applicant with the intent that such symbol be a signature, including symbols formed by computer-generated electronic impulses.

I hereby certify that the technical test data are the results of tests either performed or supervised by me.

Michael P. Farina Member of Technical Staff FCC/EMC Compliance Test Group Whippany, New Jersey

Section 2.1033 (c)(1):

The full name and mailing address of the manufacturer of the device and the applicant for certification.

Alcatel-Lucent USA, Inc. 600-700 Mountain Ave Murray Hill, NJ 07974

Section 2.1033(c)(2): FCC Identifier	AS5ONEBTS-11
Section 2.1033(c)(4): Type or types of emission:	4M10F9W
Section 2.1033(c)(5): Frequency range	Transmit: 869–894 MHz

Section 2.1033(c)(6):

Range of operating power values or specific operating power levels, and description of any means provided for variation of operating power.

Alcatel-Lucent's Cellular Frequency UMTS-CDMA Transceiver System (850), which is incorporated into the UMTS Flexent[®] OneBTSTM W1900M wireless base station, was previously authorized by the Federal Communications Commission under the FCC ID: AS5ONEBTS-11. The UMTS-CDMA Transceiver System (850) consists of the RF components: (1) Crystal Reference Oscillator Module (OMA) at 15 MHz, (2) UMTS-CDMA Multi-Carrier CDMA Radio (MCR850), Model BNJ65, (3) C2PAM power amplifier (PA), and (4) 25 MHz bandwidth Dual Duplex (DDpx) transmit filter covering the Cellular Frequency Spectrum 869-894 MHz. These components are considered as a system due to the DDpx filters providing RF feedback to the transceiver in the form of Closed Loop Gain Control (CLGC) to provide constant power with over temperature and Alcatel-Lucent's proprietary Enhanced Digital Pre-Distortion (EDPD-UL) technology which enables software to communicate between the transceiver, power amplifier and the transmit filter to achieve this goal.

The original FCC Grant of Equipment Authorization for the Alcatel-Lucent **UMTS-CDMA Transceiver System** (850) and subsequent Permissive Changes, under FCC ID: AS5ONEBTS-11, have consistently authorized the **UMTS/W-CDMA Transceiver System** to transmit at 40 Watts for a single power amplifier in the RF path. This Class II Permissive Change requests authorization to operate at 80W with two (2) power amplifiers (PA) in parallel within the same system, maintaining the previously authorized 40W power per PA to be combined at the Tx antenna terminal for a composite 80W single carrier power. This RF power rating is based on the 3-second average, employing the Aggregate Overload Control (AOC) algorithm. Enhanced Digital Predistortion (EDPD) and Closed Loop Gain Control (CLGC) are features that are enabled for each carrier

The MCR850 (UMTS-CDMA Multi-Carrier CDMA Radio) transceiver, power amplifier (C2PAM) and Reference Frequency Oscillator are unchanged; the frequency determining and stabilization circuitry are unchanged. The necessary bandwidth (NB) remains at 4M10F9W and the frequency tolerance at \pm 0.05 ppm, over the Cellular Frequency Spectrum (Part 22, Subpart H), 25 MHz spectrum width, 869 - 894 MHz remains unchanged.

The host wireless base station equipment frame utilized in this testing is the Node-B UMTS Indoor Dual Band Macrocell. However, only the 850 MHz sectors were active to provide 3S1C for each of two (2) RF Chains via dual duplex transmit filters. The parallel PAs are interconnected by appropriate 1:2 power splitters and 2:1 power combiners.

Section 2.1033(c)(7):

Maximum power rating as defined in the applicable part (s) of the rules.

The maximum power rating of Alcatel-Lucent's **UMTS-CDMA Transceiver System (850)** is 40W RF power with a single C2PAM power amplifier (PA) in the system and 80W with two (2) parallel C2PAM power amplifiers in that same system.

EXHIBIT 3: FCC REQUIRED INFORMATION (PART 2.1033) - continued

Section 2.1033 (c)(8):

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

The dc voltage applied to the UMTS FlexentTM OneBTSTM 850 MHz wireless base station equipment frame is nominally +24 Vdc; the equipment is rated to operate over the range +19-30 Vdc with a typical setting of +26.5 Vdc and a maximum input current of 75 Adc.

The nominal dc voltage and range of dc currents input to a single UMTS 850 MHz Power Amplifier, C2PAM, of the UMTS-CDMA Transceiver System (850) is summarized as follows:

Input Voltage	Maximum Input Current: No RF Power	Maximum Input Current: At Rated RF Power
+19.0 Vdc	11.14 Adc	27.1 Adc
+30.0 Vdc	7.11 Adc	16.89 Adc

Single C2PAM Power Amplifier

Section 2.1033 (c)(9):

Tune-up procedure over the power range, or at specific operating power levels.

The Alcatel-Lucent UMTS +24Vdc 850 MHz Macrocell wireless base station, UMTS-CDMA Transceiver System (850), subject of this request for Class II certification under FCC ID: AS50NEBTS-11, can not be "tuned-up" by the user. There are no user tune-up features. All tuning is performed by the manufacturer during, and as part of, the manufacturing process.

Section 2.1033 (c)(10)

A description of all circuitry and devices for determining and stabilizing frequency.

The Lucent UMTS/W-CDMA 850 MHz Macrocell wireless base station, incorporating the UMTS-CDMA Transceiver System (850), which utilizes a 5 MHz carrier emission bandwidth, is designed to operate in the cellular frequency spectrum 869-894 MHz. Frequency stability of the carrier frequency is achieved with an accuracy better than the rated ± 0.05 ppm by the 15 MHz reference frequency generated by a stable Crystal Oscillator Module (OMA) plus proprietary phase locked loop (PLL) circuitry.

EXHIBIT 3: FCC REQUIRED INFORMATION (PART 2.1033) - continued

Section 2.1033 (c)(10): Description of circuitry and devices for suppression of spurious radiation.

Spurious emissions radiated from the UMTS FlexentTM OneBTSTM 850 MHz Macrocell wireless base station equipment frame are suppressed by implementing sound Electromagnetic Compatibility (EMC) design practices extending from the circuit board level to the system level: 1) grounded RF shielding on coaxial cables, 2) grounded RF shielding "cans" mounted on the circuit packs, 3) effective grounding throughout, and 4) effective transmit and receive bandpass filters for the cellular frequency band 869-894 MHz. The Tx filter, incorporated in this UMTS-CDMA Transceiver System (850), is a 25 MHz wideband, low loss, Dual Duplex (DDpx) design covering the full 869-894 MHz spectrum.

Section 2.1033 (c)(10): Description of Circuitry and Devices for Limiting Modulation, and for Limiting Power.

The Lucent UMTS Macrocell 850 MHz UMTS-CDMA Multi-Carrier CDMA Radio (MCR850), BNJ65, authorized under FCC ID: AS50NEBTS-11, is a 5 MHz carrier emission bandwidth UMTS (W-CDMA) base station transceiver designed to operate in the Cellular Frequency Band 869-894 MHz. It is the transceiver which comprises this UMTS-CDMA Transceiver System (850), that is the subject of this application for certification. Modulation limiting is described in the documents that must be held as confidential. This confidential document is the same document that was submitted to and is currently on file with the Federal Communications Commission for the initial equipment authorization grant for AS50NEBTS-11.

Power control of the RF output from the MCR850 transceiver is accomplished by software which controls a microprocessor that sends digital signals to a 18 dB voltage variable attenuator, which is used for output power adjustment. The transmitter can be disabled through firmware which sets the RF attenuator to maximum loss and thus disables the final RF amplifier stage. A complete description is provided in the exhibits that are required to be held as confidential. This confidential document is the same document that was submitted to and is currently on file with the Federal Communications Commission (FCC) for the initial equipment authorization grant for AS5ONEBTS-11.

Section 2.1033 (c)(13): Description of the modulation system.

The Lucent UMTS Macrocell 850 MHz UMTS-CDMA Multi-Carrier CDMA Radio (MCR850), BNJ65, previously authorized under FCC ID: AS50NEBTS-11, is a 5 MHz carrier emission bandwidth UMTS (W-CDMA) base station transceiver designed to operate in the Cellular Frequency Band 869-894 MHz. It is the transceiver which comprises this UMTS-CDMA Transceiver System (850), that is the subject of this application for Class II Permissive Change certification.

This 5 MHz carrier emission bandwidth UMTS (W-CDMA) base station transceiver is designed for QPSK modulation, with an emission designator 4M10F9W. The modulation process is fully described in the documents that must be held as confidential. This confidential document is the same document that was submitted to and is currently on file with the Federal Communications Commission (FCC) for the initial equipment authorization grant for AS50NEBTS-11.

The MCR850 transceiver can operate either with only Voice and 68 active channels or with Voice + HSDPA to provide 44 active channels. Note: HSDPA = High Speed Downlink Packet Access.