Application of Class II Permissive Change Authorization under FCC ID: AS5ONEBTS-11, covering Lucent Technologies UMTS-CDMA Cellular 850 Transceiver

From: **Lucent Technologies, Inc.**
6200 East Broad Street
Columbus, Ohio 43213
U.S.A.

March 8, 2006

Mr. Sid Sanders
Timco Engineering, Inc.
849 N. W. State Road 45, P.O. Box 370
Newberry, Florida 32669
U.S.A.

Dear Mr. Sanders,

Please accept this application for Class II permissive change certification for the Lucent Technologies UMTS-CDMA base transceiver station, under FCC ID:AS5ONEBTS-11, for operation as 1.23 MHz bandwidth CDMA emission (1M23F9W) multi-carrier transceiver operating from .01 to 25 watts per carrier up to 100 watts maximum (four carriers) for use in the domestic US cellular telecommunications services.

The UMTS-CDMA transceiver utilizes Lucent Technologies CDMA (Code Domain Multiple Access) 3G (3rd generation) 1x (cdma2000) and 1xEV (IS856) technologies. The principle RF components have been previously filed under FCC ID:AS5ONEBTS-08 (MCR850 Transceiver) and FCC ID:AS5ONEBTS-13 (C2PAM amplifier). No physical or hardware changes are required for this Class II permissive change, with Bell Laboratories proprietary predistortion software compensating for phase and amplitude differences in the RF components.

The data summarized below is in the form presently used by the Commission's Radio Equipment List.

Manufacture	Lucent Technologies
Equipment Identification	AS5ONEBTS-11
Rules Part Number	Part 22, Subpart H – Cellular Radiotelephone Service
Frequency Range	Transmit: 869 – 894 MHz, Receive: 824 – 849 MHz
Output Power	.01 to 25 Watts per carrier (1-4 carriers); 100 Watts max (4 carriers)
Frequency Tolerance	+/- 0.05 ppm
Emission Designator	1M23F9W

Enclosed in this application package is a copy of Timco's TCB application form 731, a letter of Request for Confidentiality and exhibits specific to this request for a Class II permissive change. The technical contact at Lucent Technologies will comply with any request for additional information should the need arise.

The fees are submitted as required for radio equipment certification filing.

Confidentiality is requested for the following exhibits:

Exhibit 6: Modulation Description and Limiting methods
Exhibit 7: Functional Description
Exhibit 8: Block Diagrams
Exhibit 9: Parts List and Circuit Schematic Diagrams

Sincerely,

P.J. Hollern

P.J. Hollern
Technical Manager
Lucent Technologies, Inc.

Attachments:

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Exhibit 3:	Section 2.1033 (c)(3)	Installation Instructions
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Exhibit 7:	Section 2.1033 (c)(10)	Functional Description **>>> CONFIDENTIAL**
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Request for confidentiality for FCC ID: AS5ONEBTS-11 covering Lucent Technologies Cellular 850 UMTS-CDMA Transceiver

From: **Lucent Technologies, Inc.**
6200 East Broad Street
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March 8, 2006

Mr. Sid Sanders
Timco Engineering, Inc.
849 N. W. State Road 45, P.O. Box 370
Newberry, Florida 32669
U.S.A.

Dear Mr. Sanders,

On behalf of Lucent Technologies, I hereby request that the following exhibits included in this Application for Certification, under FCC ID: AS5ONEBTS-11, covering the Lucent UMTS CDMA 850 wireless base station transceiver system be maintained as confidential information and not be made available for public inspection at any time.

Exhibit 6:	Modulation Description and Limiting methods
Exhibit 7:	Functional Description
Exhibit 8:	Block Diagrams
Exhibit 9:	Parts List and Circuit Schematic Diagrams

These exhibits contain Lucent Technologies proprietary information that is considered to be trade secrets, with possible patents pending, and the property of Lucent Technologies, pursuant to the provisions of Part 0.457(d) of the Commission's Rules. These exhibits also contain design information that is highly proprietary to Lucent Technologies Bell Laboratories contracted manufacturer/supplier.

Thank you for your consideration in this matter.

Sincerely,

P.J. Hollern

P.J. Hollern
Technical Manager
Lucent Technologies, Inc.

EXHIBIT 1: FCC REQUIRED INFORMATION (PART 2.911)

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

Section 2.911 (d): Certification of Base Station Equipment

This is to certify that AS3ONEBTS-11, UMTS-CDMA 850 transceiver, manufactured by Lucent Technologies, is compliant with the requirements of the Code of Federal Regulations (CFR) Title 47, Part 22 Subpart H – Cellular Radiotelephone Service.

P.J. Hollern

P.J. Hollern
Technical Manager
Lucent Technologies, Inc.

Section 2.911 (d): Qualification of Engineers

Section 2.911 (d) Technical test data shall be signed by the person who performed or supervised 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

Mr. Michael Gaber is a Member of Technical Staff at Lucent Technologies Bell Laboratories. He received a Bachelor of Science Degree in 1988 from The Ohio State University, Department of Industrial and System Engineering. Mr. Gaber has more than 15 years of experience in design, test and regulatory compliance, and is the primary filing staff on this certification.

Mr. L. Carl Hupp is a Member of Technical Staff at Lucent Technologies Bell Laboratories. He received a Bachelor of Science Degree in 1976 from The Ohio State University, Department of Electrical Engineering. Mr. Hupp has more than 40 years of experience in telecommunications, test and regulatory compliance.

Mr. Donald Winkle is a Senior Technical Associate at Lucent Technologies Bell Laboratories. He received an Associate Degree in 1996 from ITT, Department of Electronics Engineering. Mr. Winkle has more than 15 years of experience in electronics, test and regulatory compliance.

Dr. Qin Yu is a Member of Technical Staff at Lucent Technologies Bell Laboratories. She received a Ph.D. Degree in 1996 from The Ohio State University, Department of Electrical Engineering. Dr. Yu has more than 10 years of experience in research and development, test and regulatory compliance.

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

Michael J. Gaber

Michael J. Gaber
Member of Technical Staff
Lucent Technologies, Inc.