Application for Certification under FCC ID: AS5ONEBTS-23

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

July 18, 2008

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 certification for the Alcatel-Lucent AWS (Advanced Wireless System) Digital Host base transceiver station (BTS), under FCC ID:AS5ONEBTS-23, for CDMA (Code Domain Multiple Access) low power application of .01 watts maximum per transmit (Tx) port.

The Alcatel Lucent AWS Digital Host BTS utilizes 3G (3rd generation) 1x (cdma2000) and 1xEVDO "Evolution Data Only " (IS856) technologies.

The AWS base station supports multiple carriers and multiple sectors (up to 6) configuration. The data summarized below is in the form presently used by the Commission's Radio Equipment List.

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Manufacture	Alcatel-Lucent
Equipment Identification	AS5ONEBTS-23
Rules Part Number	Part 27 – Advanced Wireless Service
Frequency Range	Transmit: 2110-2155MHz, Receive: 1710–1755 MHz
Output Power	.01 Watts maximum per Transmit (Tx) port
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 certification. The technical contact at Alcatel-Lucent 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: Block Diagrams (file Confidential_AS5ONEBTS_23_Exh6_mod_power_filter_block.pdf)
Exhibit 8: Parts List and Circuit Schematic Diagrams
(file Confidential_AS5ONEBTS23_Exh8_1of2_Partlist.pdf)
(file Confidential_AS5ONEBTS23_Exh8_2of2_Schematic.pdf)

Sincerely,

Michael J. Gaber

Michael J. Gaber
Alcatel-Lucent

Attachments:

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Request for Confidentiality
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Request for confidentiality for FCC ID: AS5ONEBTS-23 covering Alcatel-Lucent AWS Digital Host Transceiver

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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 Alcatel-Lucent, I hereby request that the following exhibits included in this Application for Certification, under FCC ID: AS5ONEBTS-23 be maintained as confidential information and not be made available for public inspection at any time.

Exhibit 6: Block Diagrams (file Confidential_AS5ONEBTS_23_Exh6_mod_power_filter_block.pdf)
Exhibit 8: Parts List and Circuit Schematic Diagrams
(file Confidential_AS5ONEBTS23_Exh8_1of2_Partlist.pdf)
(file Confidential_AS5ONEBTS23_Exh8_2of2_Schematic.pdf)

These exhibits contain Alcatel-Lucent proprietary information that is considered to be trade secrets, with possible patents pending, and the property of Alcatel-Lucent, pursuant to the provisions of Part 0.457(d) of the Commission's Rules and Section 552(b)(4) of the Freedom of Information Act. These exhibits also contain design information that is highly proprietary to Alcatel-Lucent contracted manufacturer/supplier.

Thank you for your consideration in this matter.

Sincerely,

Michael J. Gaber

Michael J. Gaber
Alcatel-Lucent

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-23 transceiver, manufactured by Alcatel-Lucent, is compliant with the requirements of the Code of Federal Regulations (CFR) Title 47, Part 27 Advanced Wireless Service.

Michael J. Gaber

Michael J. Gaber
Alcatel-Lucent

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 J. Gaber is a Member of Technical Staff at Alcatel-Lucent. 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 20 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 Alcatel-Lucents. 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 Alcatel-Lucent. He received an Associate Degree in 1996 from ITT, Department of Electronics Engineering. Mr. Winkle has more than 20 years of experience in electronics, test and regulatory compliance.

Dr. Qin Yu is a Member of Technical Staff at Alcatel-Lucent. She received a Ph.D. Degree in 1996 from The Ohio State University, Department of Electrical Engineering. Dr. Yu has more than 12 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
Alcatel-Lucent