Lucent Technologies, Inc.
6250 E. Broad Street
Columbus, OH 43213

October 14, 2003

Timco Engineering Inc.
Telecommunication Certification Bodies
849 NW State Road 45
Newberry, Florida 32669

Subject: Application for Certification of FCC ID: AS5ONEBTS-06

Dear Examiner:

In accordance with Parts 2 and 24 of the Commission's Rules and Regulations, we are submitting herewith statements and supporting data to show compliance with the requirements of the Commission for the certification of the Lucent Technologies PCS 2 Power Amplifier Module, henceforth P2PAM, under FCC ID AS5ONEBTS-06, for use in Domestic Personal Communication Services.

The P2PAM has been previously filed as a principle RF component with the Lucent Technologies Broadband PCS transceiver system, FCC ID: AS5ONEBTS-05, utilizing Lucent Technologies proprietary Digital Pre Distortion (DPD) technology which enables software to communicate between the transceiver, power amplifier and transmit filter.

This P2PAM application, under AS5ONEBTS-06, is for the Lucent Technologies Flexent® Land Station PCS system using Code Division Multiple Access (CDMA) technology, for use in Domestic Personal Communication Services. This application is not for a transceiver system (such as AS5ONEBTS-05); it is for the P2PAM power amplifier to be used in conjunction with FCC granted CDMA transceiver devices.

This application for the P2PAM is for operation in all PCS Blocks.

The P2PAM is a Class A continuous wave (CW) amplifier designed to amplify IS-95/97 Code Division Multiple Access (CDMA) downlink carrier signal at 20 watts of average long term power per carrier at the antenna connection port. The P2PAM is presently configurable as a single carrier CDMA amplifier.

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

Manufacturer	Lucent Technologies, Inc
Equipment Identification	AS5ONEBTS-06
Rules Part Number	Part 24E – Personal Communication Service (PCS)
Frequency Range	Transmit: 1930- 1990 MHz
Output Power	0.010 to 20.0 Watts
Frequency Tolerance	N/A
Emission Designator	1M25F9W

The P2PAM AS5ONEBTS-06 is to be used with FCC granted CDMA transceiver devices. The P2PAM AS5ONEBTS-06 will be used in normal PCS base station operation only.

This filing to operate the P2PAM / FCC ID: AS5ONEBTS-06 is based signals supplied by a Lucent Technologies PCS UMTS CDMA Radio 1900 (UCR1900), FCC ID: AS5ONEBTS-04, granted 24 September 2002 for all PCS Blocks. The P2PAM was primarily evaluated in the Lucent Technologies Flexent® OneBTS™ CDMA PCS Modular Cell 4.0 Compact Base Transceiver Station (BTS).

The unit is designed to the limitations specified in Code of Federal Regulations (CFR), Section 24 Subpart E, and is designed to be used with other FCC granted transmit (radio) devices. Whenever possible, the test procedures defined in CFR Sections 2 and 24 (E) were followed. Because of the "state of the art" nature of this equipment, some of the characteristics cannot be tested using the requirements in CFR 47. For those characteristics, IS-95 and IS-97 were used to define the tests and evaluation criteria used in this application. The P2PAM was designed in accordance with the guidelines of the latest TIA/EIA/IS-97-D standard for CDMA applications.

The P2PAM / AS5ONEBTS-06 data presented in this filing represents a design produced by Remec / Spectrian Corporation for Lucent Technologies, Inc. soley for incorporation into Lucent Technologies, Inc. products. The PCS UCR1900 is a Lucent Technologies, Inc. designed and manufactured product.

Enclosed in this electronically transmitted online package is a copy of FCC Form 731 (Application for Equipment Authorization – Radio Frequency Devices) and the required exhibits. These exhibits contain the technical data, and the required statements and documents for product certification.

Enclosed in this application package are a copy of Timco's TCB Application Form 731, a letter of Request for Confidentiality and the required exhibits. These exhibits contain the technical data, and the required statements and documents for equipment certification. The technical contact at Lucent Technologies Bell Laboratories will comply with any request for additional information should the need arise.

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

Sincerely,

P.J. Hollern
Technical Manager
FCC Compliance Test Group, Columbus, OH