

Lucent Technologies Inc.
101 Crawfords Corner Rd.
P. O. Box 3030
Holmdel, NJ 07733-3030

November 20, 2000

Federal Communications Commission
Office of Engineering and Technology
Authorization and Evaluation Division
Equipment Authorization Branch
7435 Oakland Mills Road
Columbia, Maryland 21046

Dear Examiner:

In accordance with Parts 2 and 22 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 Certification of the Lucent Technologies Predistortion CDMA Baseband Radio (850), henceforth PCBR, as FCC ID: **AS5CMP-43**. The PCBR shall be used in Lucent Technologies, Inc. **FLEXENT**® Land Station Cellular system using Code Division Multiple Access (CDMA) technology, for use in Domestic Public Cellular Telecommunication Service. The PCBR is designed to provide .0126 watts (11 dBm) to amplifier port connection.

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

Manufacturer	Lucent Technologies Inc.
Equipment Identification	AS5CMP-43
Rules Part Number	22 (H)
Frequency Range	869 – 894 MHz
Output Power	0.00008 to 0.0126Watts (-11 dBm to 11 dBm)
	Varied By Software
Frequency Tolerance	+/- 1.5 ppm
Emission Designator	1M23G9W

The FLEXENT Cellular Radio Frequency Unit (RFU) Cabinet uses PCBR(850). It is designed to the limitations specified in Part 22 (H). Whenever possible, the test procedures defined in CFR 47 Parts 2 and 22 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 as evaluation criteria in this application. The PCBR has a maximum RF power output of 11 dBm and the power level for this application is 11dBm. In FLEXENT Cellular Radio Frequency Unit (RFU) Cabinet the PCBR output signal is amplified by the Individual Carrier Linear Amplifier(ICLA) FCC ID: **AS5CMP-44** and filtered by a transmit filter for specific cellular bands. The ICLA is being co-filed with the PCBR. The typical output level necessary for the PCBR for maximum output from the ICLA is 8.4 dBm. The actual power level delivered from the PCBR to ICLA is under software control. The software control allows not only for adjustment in power up to 11 dBm (maximum) but also provides a typical calibration of output level to within ± 0.1 dB across the cellular band.

The operation of **AS5CMP-43** (PCBR) is based on the time and frequency reference signals supplied to PCBR by Time and Frequency Unit (TFU). The FCC is required performance of the TFU over temperature and line voltage is contained in this application as well.

Filed herewith is FCC Form 731 (Application for Equipment Certification – Radio Frequency Devices) and the required attachments. These exhibits contain the technical data, and the required statements and documents for equipment certification. The Global Product Compliance Laboratory, of Lucent Technologies Inc. will comply with request for additional information should the need arise.

Sincerely,

Dheena Moongilan
Distinguished Member of Technical Staff
Global Product Compliance Laboratory
phone: (732) 332-6003
email: moongilan@lucent.com

November 20, 2000

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Global Product Compliance Laboratory
101 Crawfords Corner Road
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**Subject: Confidential Treatment for User's Manual, Internal Photos and Schematic -
FCC ID: AS5CMP-43**

Dear Examiner:

The 'Flexent Cellular Radio Frequency Unit (RFU) Cabinet containing FCC ID AS5CMP-43, and FCC ID AS5CMP-44 will not be sold to the general public, but restricted to network operators. The 'User's Manual' is provided to the network operators under a non-disclosure agreement. The Lucent Technologies holds the proprietary rights of equipment construction. The general public does not have access to either User's Manual, or Internal Construction of Flexent RFU. The schematics and block diagrams contain Lucent Technologies Proprietary information. Therefore I would like to request you to treat the following as confidential.

- (1) User's Manual
- (2) Internal photos
- (3) Schematics, Circuit descriptions and Block Diagrams

Thanks.

Sincerely,

Dheena Moongilan
Distinguished Member of Technical Staff
Bldg. 11B, Room 184