



**Federal Communications Commission
Office of Engineering and Technology
Equipment Authorization Division
Application Processing Branch
7435 Oakland Mills Road
Columbia, MD 21046**

Lucent Technologies Inc.
101 Crawfords Corner Road
Holmdel, NJ 07733-3030

September 3, 1999

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 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 Type Acceptance of the Lucent Technologies Inc. "GSM 1900 Transceiver" a single radio frequency unit, henceforth SRFU19 as FCC ID: **AS5BTS2K-01**. This SRFU19 shall be used in Lucent Technologies Inc. Land Station Personal Communication Service (PCS) system using Global System for Mobil Communication (GSM) technology, for use in Domestic Public PCS Telecommunication Service. The present PCS system will use 6 SRFU19s installed in a BTS2000/60dB cabinet. Each SRFU19 is designed to provide 20 watts long term average at the antenna connection port. Under the dynamics conditions of GSM service and active power control the short term maximum of 27 watts will be available at the antenna port and this value is used for this filing.

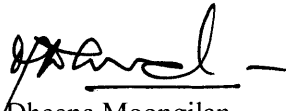
The data summarized below is in the form presently used by the Commission's Radio Equipment List.

Manufacturer	Lucent Technologies Inc.
Product	GSM 1900 Transceiver
Equipment Identification	AS5BTS2K-01
Rules Part Number	24(E)
Frequency Range	1930.2 – 1989.8 MHz
Output Power	0.002 to 27 Watts Varied By Software
Frequency Tolerance	+/- 0.05 ppm
Emission Designator	250KGXW

The SRFU19 is designed to the limitations specified in Part 24 subpart E. Whenever possible, the test procedures defined in CFR 47 Parts 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 ANSI J-STD-007 and Draft GSM 05.05 V8.0.0 (1999-07) "European Standard (Telecommunication Series) Digital Cellular Telecommunication System (Phase 2+); Radio Transmission and Reception" were used to define the tests and evaluation criteria used in this application. Losses internal to the cabinet and conservative operation will limit the long term average output power to 20 watts and the short term maximum power to 27 watts when measured at the (J4) antenna connector. This latter value is the level for this application. The actual power levels delivered by the SRFU19 are under the software control of the Mobile Switching Center of the local Cellular system. The SRFU19/AS5BTS2K-01 is a Lucent Technologies Inc., designed and manufactured product.

Attached is FCC Form 731 (Application for Equipment Authorization – Radio Frequency Devices) and the required attachments. These exhibits contain the technical data, and the required statements and documents for equipment authorization. The technical contact at Lucent Technologies Inc., Bell Laboratories, will comply with any 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

Attachment(s):

FCC Form 731 with Attachments