

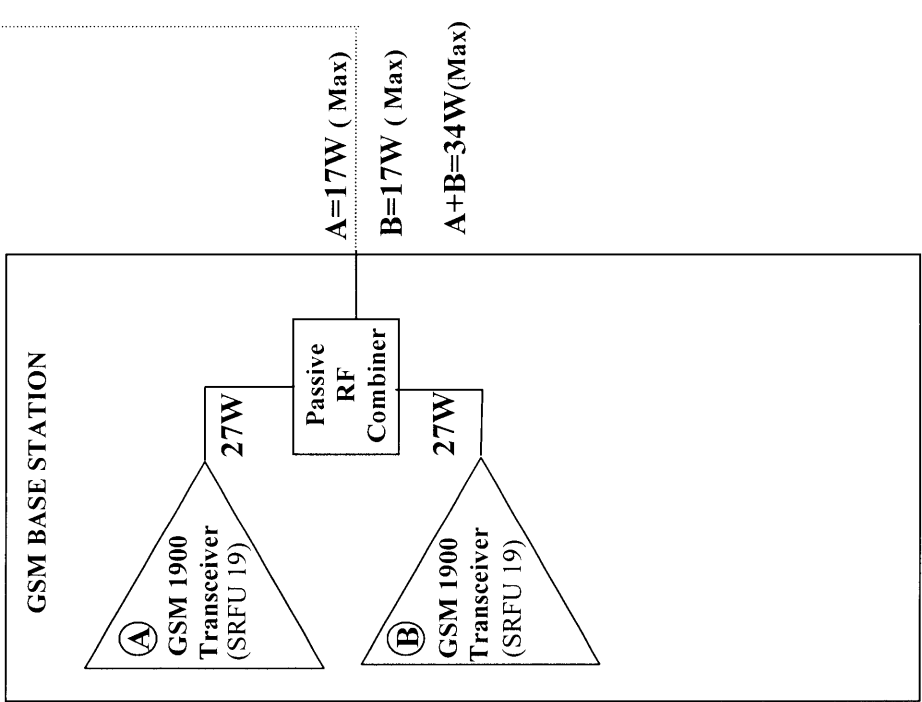
# **SYNOPSIS OF** **CLASS II PERMISSIVE CHANGE**

## **SYNOPSIS OF CLASS II PERMISSIVE CHANGE**

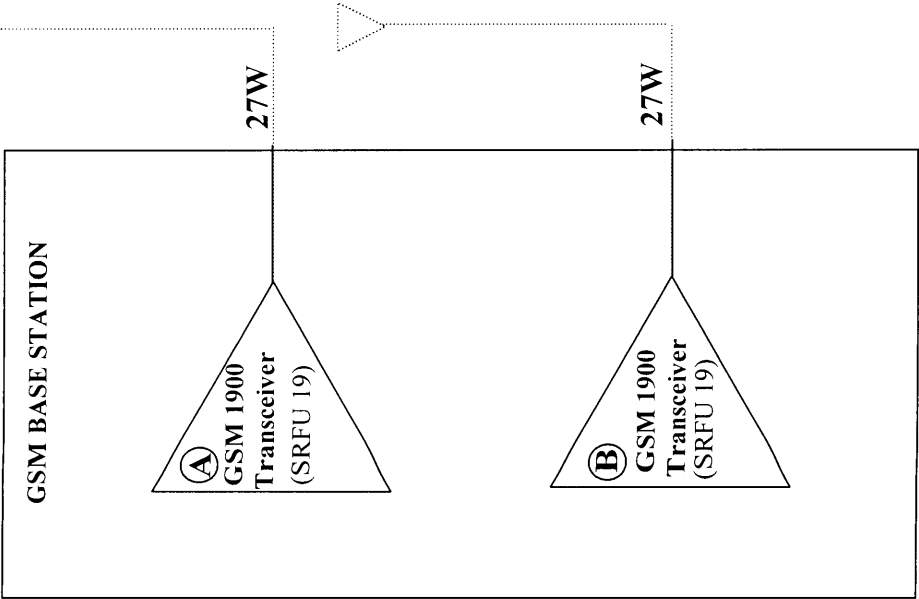
**Present Authorization:** The output power for a single carrier: 27 watts

**Authorization Requested:** The output power for a single carrier: 27 watts and for any two carrier combined: 34 watts.

Additional New Configuration



FCC Certified Configuration



.....  
Provided by the user

# **COVER LETTER**

**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

January 10, 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 Part 2.1043(b) (2) of the Commission's Rules and Regulations, we are submitting an application for approval of Class II permissive change. On November 23, 1999 the commission has granted FCC Part 24 equipment authorization certification under FCC ID: AS5BTS2K-01 for "GSM 1900 Transceiver", a single radio frequency unit, henceforth SRFU19 for a maximum RF power output of 27 watts per carrier at the antenna terminals.

Subsequently we have made some modifications so that GSM 1900 Transceiver can be sold either as originally certified model or modified configuration model. The list of modification that may have impact on original FCC grant are indicated below:

The present PCS system uses 6 SRFU19s installed in a BTS 2000/60dB cabinet. Each antenna connection port will be either connected to a single SRFU19 or two SRFU19s using a passive combiner. Therefore system may use:

- a). Each antenna connection port at the cabinet connected to a single SRFU19. The maximum RF power output at the antenna connection port will be 27 watts per carrier.
- b). Each antenna connection port at the cabinet connected to two SRFUs through a passive RF combiner. The maximum RF power output at the antenna connection port will be 34 watts per two carriers.
- c). The system may contain combination a and b above.

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

|                                 |                                                                                                                          |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Manufacturer</b>             | <b>Lucent Technologies Inc.</b>                                                                                          |
| <b>Product</b>                  | <b>GSM 1900 Transceiver</b>                                                                                              |
| <b>Equipment Identification</b> | <b>AS5BTS2K-01</b>                                                                                                       |
| <b>Rules Part Number</b>        | <b>24(E)</b>                                                                                                             |
| <b>Frequency Range</b>          | <b>1930.4 – 1989.6 MHz</b>                                                                                               |
| <b>Output Power</b>             | <b>0.002 to 27 Watts Varied By Software for single carrier<br/>or .002 to 34 watts for two carriers using a combiner</b> |
| <b>Frequency Tolerance</b>      | <b>+/- 0.05 ppm</b>                                                                                                      |
| <b>Emission Designator</b>      | <b>244KGXW</b>                                                                                                           |

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

## **Letter for Confidential Treatment of Exhibits**

Global Product Compliance Laboratory  
101 Crawfords Corner Road  
Holmdel, NJ 07733-3030

January 10, 2000

**Subject: Confidential Treatment for User's Manual and Internal Photos –  
FCC ID: AS5BTS2K-01**

**Dear Examiner:**

The 'GSM 1900 Transceiver' FCC ID AS5BTS2K-01 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 GSM 1900 transceiver. Therefore I would like to request you to treat the following as confidential.

- (1) User's Manual
- (2) Internal photos
- (3) Schematics

Sincerely,



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