

**United States of America  
FEDERAL COMMUNICATIONS COMMISSION  
EXPERIMENTAL  
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WD9XWG

(Call Sign)

XT      FX MO

(Class of Station)

0201-EX-ST-2009

(File Number)

NAME LGS INNOVATIONS LLC

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

**Purpose Of Operation:**

To demonstrate GSM technology.

**Station Locations**

(1) Fort Monmouth (MONMOUTH), NJ - NL 40-18-57; WL 74-02-22; MOBILE: , within 8 km

**Frequency Information**

Fort Monmouth (MONMOUTH), NJ - NL 40-18-57; WL 74-02-22; MOBILE: , within 8 km

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 1710-1850 MHz | MO            | 200KF9W             | 1 W (ERP)        |                           |
| 1850-1990 MHz | FX            | 200KF9W             | 1 W (ERP)        |                           |

**Special Conditions:**

- (1) Operation in the 1710-1755 or 2110-2155 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.

This authorization effective June 01, 2009 and  
will expire 3:00 A.M. EST June 20, 2009

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



Special Conditions:

- (2) Operation in the 1850-1910 or 1930-1990 MHz band requires prior frequency coordination with 2 GHz microwave users and consent of PCS licensees to avoid interference.
- (3) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (4) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (5) Applicant should notify Department of the Army (CERDEC) that CONUS use of this equipment in the 1710 MHz to 1755 MHz and 1850 MHz to 1990 MHz may be difficult to obtain as these bands are not allocated for Government use.