

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

EXPERIMENTAL

(Nature of Service)

XR MO

(Class of Station)

WC9XSH

(Call Sign)

0579-EX-ST-2006

(File Number)

NAME RAYTHEON

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:**

Evaluating the physical aspects of cellular infrastructure design and associated propagation techniques.

**Station Locations**

- (1) MOBILE: 300 N. Science Park Rd, State College, PA 16804, within 0.5 km, centered around NL 40-46-30; WL 77-53-41

**Frequency Information**

MOBILE: 300 N. Science Park Rd, State College, PA 16804, within 0.5 km, centered around NL 40-46-30; WL 77-53-41

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 1850-1910 MHz | MO            | 1M25G7E<br>200KG7E  | 1 W (ERP)        |                           |
| 1930-1990 MHz | MO            | 1M25G7E<br>200KG7E  | 1 W (ERP)        |                           |

This authorization effective August 28, 2006 and  
will expire 3:00 A.M. EST November 29, 2006

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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.