

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

EXPERIMENTAL

(Nature of Service)

WE9XNS

(Call Sign)

XT      FX MO

(Class of Station)

0393-EX-ST-2010

(File Number)

NAME Puerto Rico Telephone Company, Inc.

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:**

The purpose of the operation is to evaluate the functionality and acceptability of broadband Long-Term Evolution (LTE) equipment in various propagation conditions during a test to be

**Station Locations**

- (1) Isla Verde CO, PR - NL 18-26-32; WL 66-01-23; MOBILE: 10 km radius of fixed base station, within 10 km
- (2) Rio Piedras CO, PR - NL 18-24-52; WL 66-03-21; MOBILE: 13 Km radius of fixed base station, within 13 km
- (3) Trujillo Alto CO, PR - NL 18-22-13; WL 66-01-30; MOBILE: 10 Km radius of fixed base station, within 10 km
- (4) Carolina CO, PR - NL 18-24-00; WL 65-59-01; MOBILE: 10 Km radius of fixed base station, within 10 km
- (5) Baldorioty CO, PR - NL 18-26-48; WL 66-03-08; MOBILE: 10 Km radius of fixed base station, within 10 km
- (6) Santurce CO, PR - NL 18-27-09; WL 66-04-45; MOBILE: 10 Km radius of fixed base station, within 10 km
- (7) Bayamon CO, PR - NL 18-23-35; WL 66-09-31; MOBILE: 13 Km radius of fixed base station, within 13 km
- (8) Bayamón UIA, PR - NL 18-22-09; WL 66-10-36; MOBILE: 13 Km radius of fixed based station, within 13 km
- (9) Cataño CO, PR - NL 18-26-28; WL 66-07-32; MOBILE: 13 Km radius of fixed base station, within 13 km
- (10) Guaynabo CO, PR - NL 18-22-19; WL 66-06-27; MOBILE: 13 Km radius of fixed base station, within 13 km

This authorization effective September 20, 2010 and  
will expire 3:00 A.M. EST March 21, 2011

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



Station Locations

- (11) Hato Tejas CO, PR - NL 18-24-25; WL 66-10-52; MOBILE: 13 Km radius of fixed base station, within 13 km
- (12) Roosevelt 1513, PR - NL 18-24-42; WL 66-06-07; MOBILE: 13 Km radius of fixed base station, within 13 km
- (13) Sierra Bayamón, PR - NL 18-23-55; WL 66-10-06; MOBILE: 13 Km radius of fixed base station, within 13 km

## Frequency Information

Isla Verde CO, PR - NL 18-26-32; WL 66-01-23; MOBILE: 10 km radius of fixed base station, within 10 km

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 698-710 MHz | MO            | 10M0F9W             | 200 mW (ERP)     |                           |
| 728-740 MHz | FX            | 10M0F9W             | 432 W (ERP)      |                           |

Rio Piedras CO, PR - NL 18-24-52; WL 66-03-21; MOBILE: 13 Km radius of fixed base station, within 13 km

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 698-710 MHz   | MO            | 10M0F9W             | 200 mW (ERP)     |                           |
| 728-740 MHz   | FX            | 10M0F9W             | 344 W (ERP)      |                           |
| 1720-1730 MHz | MO            | 10M0F9W             | 200 mW (ERP)     |                           |
| 2120-2130 MHz | FX            | 10M0F9W             | 1432 W (ERP)     |                           |

## Frequency Information

Trujillo Alto CO, PR - NL 18-22-13; WL 66-01-30; MOBILE: 10 Km radius of fixed base station, within 10 km

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 698-710 MHz | MO            | 10M0F9W             | 200 mW (ERP)     |                           |
| 728-740 MHz | FX            | 10M0F9W             | 392 W (ERP)      |                           |

Carolina CO, PR - NL 18-24-00; WL 65-59-01; MOBILE: 10 Km radius of fixed base station, within 10 km

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 698-710 MHz | MO            | 10M0F9W             | 200 mW (ERP)     |                           |
| 728-740 MHz | FX            | 10M0F9W             | 411 W (ERP)      |                           |

Baldorioty CO, PR - NL 18-26-48; WL 66-03-08; MOBILE: 10 Km radius of fixed base station, within 10 km

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 698-710 MHz | MO            | 10M0F9W             | 200 mW (ERP)     |                           |
| 728-740 MHz | FX            | 10M0F9W             | 389 W (ERP)      |                           |

## Frequency Information

Santurce CO, PR - NL 18-27-09; WL 66-04-45; MOBILE: 10 Km radius of fixed base station, within 10 km

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 698-710 MHz | MO            | 10M0F9W             | 200 mW (ERP)     |                           |
| 728-740 MHz | FX            | 10M0F9W             | 353 W (ERP)      |                           |

Bayamon CO, PR - NL 18-23-35; WL 66-09-31; MOBILE: 13 Km radius of fixed base station, within 13 km

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 1720-1730 MHz | MO            | 10M0F9W             | 200 mW (ERP)     |                           |
| 2120-2130 MHz | FX            | 10M0F9W             | 1467 W (ERP)     |                           |

Bayamón UIA, PR - NL 18-22-09; WL 66-10-36; MOBILE: 13 Km radius of fixed based station, within 13 km

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 1720-1730 MHz | MO            | 10M0F9W             | 200 mW (ERP)     |                           |
| 2120-2130 MHz | FX            | 10M0F9W             | 1354 W (ERP)     |                           |

## Frequency Information

Cataño CO, PR - NL 18-26-28; WL 66-07-32; MOBILE: 13 Km radius of fixed base station, within 13 km

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 1720-1730 MHz | MO            | 10M0F9W             | 200 mW (ERP)     |                           |
| 2120-2130 MHz | FX            | 10M0F9W             | 1544 W (ERP)     |                           |

Guaynabo CO, PR - NL 18-22-19; WL 66-06-27; MOBILE: 13 Km radius of fixed base station, within 13 km

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 1720-1730 MHz | MO            | 10M0F9W             | 200 mW (ERP)     |                           |
| 2120-2130 MHz | FX            | 10M0F9W             | 1422 W (ERP)     |                           |

Hato Tejas CO, PR - NL 18-24-25; WL 66-10-52; MOBILE: 13 Km radius of fixed base station, within 13 km

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 1720-1730 MHz | MO            | 10M0F9W             | 200 mW (ERP)     |                           |
| 2120-2130 MHz | FX            | 10M0F9W             | 1364 W (ERP)     |                           |

## Frequency Information

Roosevelt 1513, PR - NL 18-24-42; WL 66-06-07; MOBILE: 13 Km radius of fixed base station, within 13 km

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 1720-1730 MHz | MO            | 10M0F9W             | 200 mW (ERP)     |                           |
| 2120-2130 MHz | FX            | 10M0F9W             | 1381 W (ERP)     |                           |

Sierra Bayamón, PR - NL 18-23-55; WL 66-10-06; MOBILE: 13 Km radius of fixed base station, within 13 km

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 1720-1730 MHz | MO            | 10M0F9W             | 200 mW (ERP)     |                           |
| 2120-2130 MHz | FX            | 10M0F9W             | 1354 W (ERP)     |                           |