

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

EXPERIMENTAL

(Nature of Service)

WH9XND

(Call Sign)

XT MO

(Class of Station)

1036-EX-ST-2014

(File Number)

NAME Karthik Vasudeva

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:**

We will transmit voice in 890 MHz-960 MHz frequencies using a USRP which is a software defined radio (SDR) for experimental purposes.

**Station Locations**

- (1) MOBILE: Miami, FL, within 0.4 km, centered around NL 25-46-12; WL 80-22-03
- (2) MOBILE: Miami, FL, within 0.4 km, centered around NL 25-46-12; WL 80-22-03

**Frequency Information**

MOBILE: Miami, FL, within 0.4 km, centered around NL 25-46-12; WL 80-22-03

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 890-960 MHz | MO            | NON                 | 243 mW (ERP)     |                           |

This authorization effective December 04, 2014 and  
will expire 3:00 A.M. EST May 21, 2015

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: Miami, FL, within 0.4 km, centered around NL 25-46-12; WL 80-22-03

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 890-960 MHz | MO            | NON                 | 100 mW (ERP)     |                           |

## Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) The applicant must coordinate with Fixed Microwave licensees prior to operation on 928-929 MHz and 932-935 MHz and coordinate with the local Society of Broadcast Engineers coordinator and Fixed Microwave licensees prior to operation on 941-944.0 MHz and 944-960 MHz.
- (4) Operation must notch out the following +/- 25 kHz:
  - a. 932.7 MHz
  - b. 941.7 MHz
- (5) The applicant must get "consent" of Cellular licensees within 25 miles of the locations of the test.