

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

EXPERIMENTAL

(Nature of Service)

WI9XQF

(Call Sign)

XT      FX MO

(Class of Station)

0455-EX-ST-2015

(File Number)

NAME Johns Hopkins University, Applied Physics Laboratory

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 support a short duration RF transmission experiment.

**Station Locations**

- (1) Laurel (HOWARD), MD - NL 39-09-35; WL 76-53-58
- (2) MOBILE: Near Building 200, within 1 km, centered around NL 39-09-32; WL 76-53-58

**Frequency Information**

Laurel (HOWARD), MD - NL 39-09-35; WL 76-53-58

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 2250-2288 MHz | FX            | 1M00G2D             | 316 W (ERP)      |                           |
| 2290-2300 MHz | FX            | 1M00G2D             | 316 W (ERP)      |                           |

This authorization effective June 22, 2015 and  
will expire 3:00 A.M. EST July 23, 2015

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: Near Building 200, within 1 km, centered around NL 39-09-32; WL 76-53-58

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 2245-2260 MHz | MO            | 0H00N0N<br>0H00N0N  | 40 W (ERP)       |                           |

## 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) 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.
- (3) Johns Hopkins University must notch out the following:
  - a. 2240-2245 MHz
- (4) Due to potential interference into NASA space-to-ground and TDRS space-to-space operations NASA requires coordination with both the NASA/GSFC Spectrum Office, Scott Galbraith at 301-286-5089, [vincent.s.galbraith@nasa.gov](mailto:vincent.s.galbraith@nasa.gov), and the RBSP mission at Applied Physics Lab (APL), Laurel, MD with Norm Adams, signal processing engineer, at 443-778-8931, [norman.adams@jhuapl.edu](mailto:norman.adams@jhuapl.edu).