

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

EXPERIMENTAL

(Nature of Service)

WH9XSM

(Call Sign)

XT      FX

(Class of Station)

0670-EX-ST-2014

(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) Naval Base Guam, GU - NL 13-26-24; EL 144-40-47
- (2) Laurel (HOWARD), MD - NL 39-09-35; WL 76-53-58

**Frequency Information**

Naval Base Guam, GU - NL 13-26-24; EL 144-40-47

| 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 September 08, 2014 and  
will expire 3:00 A.M. EST February 03, 2015

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

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

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
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## 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) Due to potential interference into NASA's Space-To-Ground and Space-To-Space operations, NASA requires operational coordination with the NASA/GSFC Spectrum Manager, Scott Galbraith at 301-286-5089, VINCENT.S.GALBRAITH@NASA.GOV, prior to commencement of operations.
- (4) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization Under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.
- (5) Johns Hopkins University must notch out the following:
  - a. 2288 – 2290 MHz
- (6) This license SUPERSEDES the previously issued license with the same call sign and file number: adding special condition (5).