

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

EXPERIMENTAL

(Nature of Service)

WJ9XYO

(Call Sign)

XT FX

(Class of Station)

0698-EX-ST-2016

(File Number)

NAME Johns Hopkins University, Applied Physics Lab

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 provide brief test signals for the RadioMap technology to acquire and analyze.

Station Locations

(1) Quantico (PRINCE WILLIAM), VA - NL 38-30-43; WL 77-18-36

Frequency Information

Quantico (PRINCE WILLIAM), VA - NL 38-30-43; WL 77-18-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
470-608 MHz	FX	10M0X2W	10 W (ERP)	0.00001 %
614-758 MHz	FX	10M0X2W	10 W (ERP)	0.00001 %
768-788 MHz	FX	10M0W2W	10 W (ERP)	0.00001 %

This authorization effective June 27, 2016 and
will expire 3:00 A.M. EST July 09, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Quantico (PRINCE WILLIAM), VA - NL 38-30-43; WL 77-18-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
798-902 MHz	FX	10M0X2W	10 W (ERP)	0.00001 %
1710-1761 MHz	FX	10M0X2W	10 W (ERP)	0.00001 %
1767-1910 MHz	FX	10M0X2W	10 W (ERP)	0.00001 %
1771-1780 MHz	FX	5M00X2W	5 W (ERP)	0.00001 %

Special Conditions:

- (1) Operation is subject to prior coordination with the Associated Public Safety Communications Officers, Inc. (APCO); ATTN: Director of Frequency Coordination; 351 North Williamson Blvd.; Daytona Beach, FL 32114-1112; Telephone: (386) 322-2500.
- (2) Operation in the 1695-1780 MHz, 1915-1920 MHz, 1995-2020 MHz or 2110-2200 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) 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.
- (5) Coordinate with the local SBE frequency coordinator prior to operation in 470-608 MHz and 614-758 MHz bands.
- (6) The STOP BUZZER point of contact Steve Jones, Steven.Jones@jhuapl.edu; Office:240-228-6349 Mobile: 443-928-9004 must be available at all times during transmission to mitigate any harmful interference that might be experienced.
- (7) Operation is not permitted in the band 1761-1767 MHz.
- (8) Operation is subject to notification of the following within 50 miles of the test area:
 - a) Narrowband PCS licensees (901-902 MHz)

Special Conditions:

- (9) Operation is subject to consent of the following within 50 miles of the test area:
- a) All 700 MHz licensees (698-758 MHz; 775-788 MHz)
 - b) All Cellular licensees (824-849 MHz/869-894 MHz)
 - c) Commercial Air-Ground licensee (849-851 MHz/894-896 MHz)
 - d) SMR licensees (806-821 MHz/851-866 MHz)
 - e) SMR licensees (896-901 MHz/935-940 MHz)
 - f) All PCS licensees (1850-1910- MHz/1930-1990 MHz)