

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL
(Nature of Service)

WL2XCC
(Call Sign)

XC FX
(Class of Station)

0515-EX-CN-2020
(File Number)

NAME The Johns Hopkins University Applied Physics Laboratory (JHU/APL)

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(c) of the Commission's Rules

Station Locations

(1) Laurel (HOWARD), MD - NL 39-09-56; WL 76-53-56

Frequency Information

Laurel (HOWARD), MD - NL 39-09-56; WL 76-53-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.309 GHz	FX	20M0M2N 20M0Q2N	7500 W (ERP)	0.00001 %
3.319 GHz	FX	20M0M2N 20M0Q2N	7500 W (ERP)	0.00001 %
3.329 GHz	FX	20M0M2N 20M0Q2N	7500 W (ERP)	0.00001 %
3.339 GHz	FX	20M0M2N	7500 W (ERP)	0.00001 %

This authorization effective July 30, 2020 and
will expire 3:00 A.M. EST August 01, 2023

**FEDERAL
COMMUNICATIONS
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Frequency Information

Laurel (HOWARD), MD - NL 39-09-56; WL 76-53-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.339 GHz	FX	20M0Q2N	7500 W (ERP)	0.00001 %
3.349 GHz	FX	20M0M2N 20M0Q2N	7500 W (ERP)	0.00001 %
3.359 GHz	FX	20M0M2N 20M0Q2N	7500 W (ERP)	0.00001 %
3.369 GHz	FX	20M0M2N 20M0Q2N	7500 W (ERP)	0.00001 %
3.379 GHz	FX	20M0M2N 20M0Q2N	7500 W (ERP)	0.00001 %
3.389 GHz	FX	20M0M2N 20M0Q2N	7500 W (ERP)	0.00001 %

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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) The authorized station must be in compliance with environmental requirement set forth in Section 1.1307 of the Commission's Rules.

Special Conditions:

- (5) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S. Government; contract number N00024-13-D-6400. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.