

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

EXPERIMENTAL

(Nature of Service)

WL2XIJ

(Call Sign)

XD FX MO

(Class of Station)

0805-EX-CN-2020

(File Number)

NAME Raytheon Technologies

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(j) of the Commission's Rules

Station Locations

- (1) Portsmouth (NEWPORT), RI - NL 41-34-05; WL 71-16-53; MOBILE: Portsmouth, RI, within 10 km, centered around NL 41-34-05; WL 71-16-53

Frequency Information

Portsmouth (NEWPORT), RI - NL 41-34-05; WL 71-16-53; MOBILE: Portsmouth, RI, within 10 km, centered around NL 41-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.2-2.32 GHz	FX	1M27G9D	24.3 W (ERP)	0.001 %
2.345-2.5 GHz	FX	1M27G9D	24.3 W (ERP)	0.001 %

Special Conditions:

- (1) Operation is subject to prior coordination with affected Educational Broadband Service/Broadband Radio Service (EBS/BRS) licensees.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

This authorization effective February 23, 2021 and
will expire 3:00 A.M. EST March 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (4) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (5) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at https://www.sbe.org/sections/freq_local.php to find the appropriate coordinator.
- (6) Operation is not permitted in 2.32-2.345 GHz band.
- (7) Prior to commencing any operations in WCS frequencies (2305-2320 MHz/2345-2360 MHz), the applicant must obtain consent from the WCS licensee (AT&T).
- (8) This frequency assignment in one of the bands 1435-1525 and 2345-2395 MHz was coordinated prior to authorization with the DoD USAF Area Frequency Coordinator, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination as necessary to ensure compatibility with the existing uses.
- (9) Coordinate with the Fixed Microwave Service licensees in accordance with 47 C.F.R, Part 101.103(d) prior to operation in frequency range from 2450 - 2500 MHz.
- (10) Prior to commencing any operations in the 2483.5 – 2500 MHz frequency band, experimental licensee must notify licensee of GUSA Licensee LLC. (Call sign E970381, S2115. Name: Mr. L. Barbee Ponder IV, Phone Number: 985-335-1503 E-Mail: Barbee.Ponder@Globalstar.com). The notice must include the name and contact information of the stop buzzer personnel that will be available to cease operations in the event of reported interference. The notification should include the testing parameters (specific location(s), antenna gain(s), antenna height(s), antenna orientation, EIRP, EIRP density) and day and times of each test.