

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

EXPERIMENTAL

(Nature of Service)

WL2XDU

(Call Sign)

XT MO

(Class of Station)

0635-EX-CN-2020

(File Number)

NAME Northrop Grumman Systems Corporation

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) MOBILE: Max Altitude 17,500 ft AMSL, within 370 km, centered around NL 38-41-23;
WL 75-21-37

Frequency Information

MOBILE: Max Altitude 17,500 ft AMSL, within 370 km, centered around NL 38-41-23; WL 75-21-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
420-450 MHz	MO	10M0P0N 1M20Q1N 20M0Q3N	628 kW (ERP)	
902-928 MHz	MO	10M0P0N 1M20Q1N 20M0Q3N	2.8 MW (ERP)	
1380 MHz	MO	10M0P0N 1M20Q1N	4.9 MW (ERP)	

This authorization effective September 08, 2020 and
will expire 3:00 A.M. EST September 01, 2022

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Frequency Information

MOBILE: Max Altitude 17,500 ft AMSL, within 370 km, centered around NL 38-41-23; WL 75-21-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1380 MHz	MO	20M0Q3N	4.9 MW (ERP)	
2417-2483.5 MHz	MO	10M0P0N 1M20Q1N 20M0Q3N	6.5 MW (ERP)	
3100-3550 MHz	MO	10M0P0N 1M20Q1N 20M0Q3N	16.6 MW (ERP)	

Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Prior to commencing any operations in the frequencies below, the licensee must obtain consent from the following within 187 miles of the contours of the testing area:
 - > Location & Monitoring Service licensees (902-928 MHz)
- (4) Licensee should be aware that the other stations may be authorized on these frequencies and if any harmful interference occurs, the licensee of this authorization will be subject to immediately shut down.
- (5) Licensee must successfully 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 MHz to 2483.5 MHz.