

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

EXPERIMENTAL

(Nature of Service)

WL2XKP

(Call Sign)

XC MO

(Class of Station)

0983-EX-CN-2020

(File Number)

NAME BAE Systems Information and Electronic Systems Integration Inc.

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(i) of the Commission's Rules

Station Locations

- (1) MOBILE: Temporary Fixed Ground Operations, Hudson, NH, within 0.1 km, centered around NL 42-42-18; WL 71-25-52

Frequency Information

MOBILE: Temporary Fixed Ground Operations, Hudson, NH, within 0.1 km, centered around NL 42-42-18; WL 71-25-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1626.5-1660.5 MHz	MO	200KD7W 200KG7W 840HG1D 100KD7W 110KD7W 110KG7W 50K0G7W	39.8 W (ERP)	
1626.5-1660.5 MHz	MO	200KD7W 200KG7W	30.2 W (ERP)	

This authorization effective February 08, 2021 and
will expire 3:00 A.M. EST February 01, 2023

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Temporary Fixed Ground Operations, Hudson, NH, within 0.1 km, centered around NL 42-42-18; WL 71-25-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14000-14470 MHz	MO	36M0G7D 14M4G7D 28M8G7D	39.5 W (ERP)	

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 stop buzzer: Stephan Notter at (603) 341-4322.
- (4) BAE Systems Information and Electronic Systems Integration Inc. must avoid direct illumination of the Hancock, NH VLBA station (NL 42-56-01, WL 71-59-12).
- (5) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by US Air Force/ AFMC/AFLCMC, contract No. FA8620-16-G-3028. 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.
- (6) Points of Communication: INMARSAT 4F3 at 98 W.L. (S2932) in the 1626.5-1660.5 MHz frequency band.
- (7) Points of Communication: VIASAT-1 at 115.1 W.L. (S2747) and VIASAT-2 at 69.9 W.L. (S2902) in the 14000-14470 MHz frequency band