

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

EXPERIMENTAL

(Nature of Service)

WQ9XUP

(Call Sign)

XC MO

(Class of Station)

1146-EX-ST-2020

(File Number)

NAME BAE Systems Information and Electronic Systems Integration Inc.

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:

Testing antennas.

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	39.8 W (ERP)	
		200KG7W		
		840HG1D		
		100KD7W		
		110KD7W		
		110KG7W		
		50K0G7W		

This authorization effective August 25, 2020 and
will expire 3:00 A.M. EST February 15, 2021

**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 (+/-)
1626.5-1660.5 MHz	MO	200KD7W 200KG7W	30.2 W (ERP)	
14000-14470 MHz	MO	36M0G7D 14M4G7D 28M8G7D	39.5 W (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) BAE Systems Information and Electronic Systems Integration Inc. must notch out 14.47-14.5 GHz
- (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) The stop buzzer: Stephan Notter at (603) 341-4322.
- (7) Point of Communications:
VIASAT-1 (S2747) @ 115.1° W.L. (U.S.-licensed)
VIASAT-2 (S2902) @ 69.90 W.L. (U.K.-licensed)
INMARSAT 4-F3 (S2932) @ 98 W.L. (U.K.-licensed)
- (8) Licensee is authorized to operate a Cobham HGA-6000 modem, a Honeywell HD710 Inmarsat modem, a Viasat 1115604 antenna, and a Viasat 1113215 modem via INMARSAT 4-F3 satellite in the 1626.5-1660.5 MHz.
- (9) Licensee is authorized to operate a Viasat VR-12C antenna and a Viasat MBR-4020 Modem via VIASAT-1 and VIASAT-2 satellites in the 14-14.47 GHz band.