Franklin H. Williams, Jr., 640 North 2200 West, Salt Lake City, UT 84116,

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION

EXPERIMENTAL	WS9XBO
(Nature of Service)	(Call Sign)
XT FX	0466-EX-ST-2021
(Class of Station)	(File Number)

NAME L3Harris Technologies, 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:
Communications through geostationary satellites.

Station Locations
(1) Omaha (DOUGLAS), NE - NL 41-14-35; WL 96-00-59

Frequency Information

Omaha (DOUGLAS), NE - NL 41-14-35; WL 96-00-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.925-6.425 GHz	FX	43K6G1D 72M1G1D	323.593 kW (ERP)	1.0E-6 %
7.9-8.4 GHz	FX	43K6G1D 72M1G1D	732.824 kW (ERP)	1.0E-6 %
14-14.5 GHz	FX	43K6G1D	1.462 MW (ERP)	1.0E-7 %

This authorization effective June 01, 2021 and
will expire 3:00 A.M. EST December 02, 2021

FEDERAL COMMUNICATIONS COMMISSION

Frequency Information

Omaha (DOUGLAS), NE - NL 41-14-35; WL 96-00-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14-14.5 GHz	FX	72M1G1D	1.462 MW (ERP)	1.0E-7 %
30-31 GHz	FX	43K6G1D 72M1G1D	5.432 MW (ERP)	1.0E-6 %

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) Prior to testing in the 7.9-8.4 GHz and 30-31 GHz bands over Wideband Global SATCOM (WGS), the Federal sponsored POC (USSTRATCOM) for this effort should submit WGS Satellite Access Request (SAR) and receive approval for accessing to WGS.

(4) The RF parameters for any testing under this authorization should match the ones listed in the Satellite Access Authorization (SAA).

(5) Licensee must successfully coordinate with Fixed Microwave Service licensees in accordance with 47 C.F.R, Part 101.103(d) prior to accessing to frequencies from 5925-6425 MHz and 30-31 GHz bands.

(6) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.

(7) The designated point-of-contact to terminate transmissions if interference occurs is Franklin Williams at (801) 594-7341.

(8) Licensee is authorized to conduct tests on a 2.4m (Terminal #1: Hawkey III) Via Galaxy 28 satellite in the 5925-6425 MHz and 14-14.5 GHz, and via AMC-15 satellite in the 14-14.5 GHz band.

(9) Point of communication: Intelsat/Viasat's Galaxy 28 satellite @ 89 WL (Call Sign: S2160), SES' AMC-15 satellite @105.05 WL (Call Sign: S2180), WGS satellite.

(10) Licensee is not authorized to operate in the 5.85-5.925 GHz and 13.75-14.0 GHz band.