

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

EXPERIMENTAL

(Nature of Service)

WQ9XQK

(Call Sign)

XC FX MO

(Class of Station)

0951-EX-ST-2020

(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:

STA requested to develop and test waveforms and conduct demonstrations utilizing select frequencies within the L Band - see Exhibit 1

Station Locations

- (1) Dulles (LOUDOUN), VA - NL 38-57-27; WL 77-27-06; MOBILE: Dulles, VA, within 20 km, centered around NL 38-57-27; WL 77-27-06

Frequency Information

Dulles (LOUDOUN), VA - NL 38-57-27; WL 77-27-06; MOBILE: Dulles, VA, within 20 km, centered around NL 38-57-27; WL 7

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1796 MHz	MO	10M0G1E 10M0G1D 4M00G1E 4M00G1D 1M50F1E 1M50F1D	25 W (ERP)	0.0025 %
1780-1796 MHz	FX	10M0G1E	25 W (ERP)	0.0025 %

This authorization effective September 01, 2020 and
will expire 3:00 A.M. EST March 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Dulles (LOUDOUN), VA - NL 38-57-27; WL 77-27-06; MOBILE: Dulles, VA, within 20 km, centered around NL 38-57-27; WL 7

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1796 MHz	FX	10M0G1D 4M00G1E 4M00G1D 1M50F1E 1M50F1D	25 W (ERP)	0.0025 %
1804-1821 MHz	MO	1M50F1D 1M50F1E 4M00G1D 4M00G1E 10M0G1D 10M0G1E	25 W (ERP)	0.0025 %
1804-1821 MHz	FX	1M50F1D 1M50F1E 4M00G1D 4M00G1E 10M0G1D 10M0G1E	25 W (ERP)	0.0025 %
1827-1840 MHz	FX	1M50F1D 1M50F1E 4M00G1D 4M00G1E 10M0G1D 10M0G1E	25 W (ERP)	0.0025 %
1827-1840 MHz	MO	1M50F1D 1M50F1E 4M00G1D	25 W (ERP)	0.0025 %

Frequency Information

Dulles (LOUDOUN), VA - NL 38-57-27; WL 77-27-06; MOBILE: Dulles, VA, within 20 km, centered around NL 38-57-27; WL 7

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1827-1840 MHz	MO	4M00G1E	25 W (ERP)	0.0025 %
		10M0G1D		
		10M0G1E		

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 contact for this project is Mark Hippert, Engineer at L3Harris, tel: 585-242-4684.
- (4) L3Harris Technologies, Inc. must submit a stop buzzer name, phone number, and email to the DHS spectrum office prior to operations, jason.chabot@hq.dhs.gov and agree to immediate cease operations at the request of the Department for any reason, to include, but not limited to EMI.
- (5) Operation is not permitted in 1796-1804 MHz and 1821-1827 MHz 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.