

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

EXPERIMENTAL

(Nature of Service)

WN9XEN

(Call Sign)

XT MO

(Class of Station)

1890-EX-ST-2019

(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:

L3Harris Technologies hereby requests a six month extension of the previously granted experimental STA to conduct end to end narrowband communications testing via the Omnispace

Station Locations

- (1) MOBILE: Rochester, NY, within 20 km, centered around NL 43-09-12; WL 77-34-00
- (2) MOBILE: Rochester, NY, within 20 km, centered around NL 43-09-12; WL 77-34-00
- (3) MOBILE: Stafford, VA, within 20 km, centered around NL 38-28-37; WL 77-26-00
- (4) MOBILE: Stafford, VA, within 20 km, centered around NL 38-28-37; WL 77-26-00
- (5) MOBILE: San Diego, CA, within 20 km, centered around NL 32-49-33; WL 117-07-56
- (6) MOBILE: San Diego, CA, within 20 km, centered around NL 32-49-33; WL 117-07-56
- (7) MOBILE: Fort Greely, AK, within 20 km, centered around NL 63-58-02; WL 145-42-33
- (8) MOBILE: Fort Greely, AK, within 20 km, centered around NL 63-58-02; WL 145-42-33
- (9) MOBILE: Elmendorf AFB, AK, within 20 km, centered around NL 61-15-06; WL 149-47-58
- (10) MOBILE: Elmendorf AFB, AK, within 20 km, centered around NL 61-15-06; WL 149-47-58

This authorization effective October 27, 2019 and
will expire 3:00 A.M. EST April 25, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Rochester, NY, within 20 km, centered around NL 43-09-12; WL 77-34-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1999.91-2000.11 MHz	MO	50K0G1D	158 W (ERP)	0.005 %

MOBILE: Rochester, NY, within 20 km, centered around NL 43-09-12; WL 77-34-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1999.91-2000.11 MHz	MO	50K0G1D	25 W (ERP)	0.005 %

MOBILE: Stafford, VA, within 20 km, centered around NL 38-28-37; WL 77-26-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1999.91-2000.11 MHz	MO	50K0G1D	25 W (ERP)	0.005 %

MOBILE: Stafford, VA, within 20 km, centered around NL 38-28-37; WL 77-26-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1999.91-2000.11 MHz	MO	50K0G1D	158 W (ERP)	0.005 %

Frequency Information

MOBILE: San Diego, CA, within 20 km, centered around NL 32-49-33; WL 117-07-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1999.91-2000.11 MHz	MO	50K0G1D	25 W (ERP)	0.005 %

MOBILE: San Diego, CA, within 20 km, centered around NL 32-49-33; WL 117-07-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1999.91-2000.11 MHz	MO	50K0G1D	158 W (ERP)	0.005 %

MOBILE: Fort Greely, AK, within 20 km, centered around NL 63-58-02; WL 145-42-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1999.91-2000.11 MHz	MO	50K0G1D	25 W (ERP)	0.005 %

MOBILE: Fort Greely, AK, within 20 km, centered around NL 63-58-02; WL 145-42-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1999.91-2000.11 MHz	MO	50K0G1D	158 W (ERP)	0.005 %

Frequency Information

MOBILE: Elmendorf AFB, AK, within 20 km, centered around NL 61-15-06; WL 149-47-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1999.91-2000.11 MHz	MO	50K0G1D	25 W (ERP)	0.005 %

MOBILE: Elmendorf AFB, AK, within 20 km, centered around NL 61-15-06; WL 149-47-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1999.91-2000.11 MHz	MO	50K0G1D	158 W (ERP)	0.005 %

Special Conditions:

- (1) Operation in the 1695-1780 MHz, 1915-1920 MHz, 1995-2020 MHz or 2110-2200 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (5) Point of Communication: Omnispace F2 (ICO F2) non-geostationary orbit ("NGSO") satellite and operates under the notified administration of Papua New Guinea.
- (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.