

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

EXPERIMENTAL

(Nature of Service)

WR9XZH

(Call Sign)

XT MO

(Class of Station)

0417-EX-ST-2021

(File Number)

NAME L3Harris Advanced Systems and Technology

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:

The operations requiring this STA are for test and development purposes. The transmissions will be of a telemetry and telecommand nature.

Station Locations

- (1) MOBILE: Ashburn, VA. Temporary testing at ground level; indoor/outdoor, within 2 km, centered around NL 39-01-28; WL 77-27-32
- (2) MOBILE: Santa Rosa Island, FL. Temporary testing up to 300' AGL, within 2 km, centered around NL 30-23-29; WL 86-45-57
- (3) MOBILE: Eglin AFB, FL. Temporary testing at ground level; indoor/outdoor, within 1 km, centered around NL 30-29-13; WL 86-30-15
- (4) MOBILE: Whitesands Missile Range, NM. Temporary testing up to 20,000' AGL, within 50 km, centered around NL 33-22-00; WL 106-31-17
- (5) MOBILE: Holloman AFB, NM. Temporary testing at ground level; indoor/outdoor, within 2 km, centered around NL 32-50-29; WL 106-05-12
- (6) MOBILE: Silver Top Mountain, NM. Temporary testing at ground level; outdoor, within 50 km, centered around NL 33-22-00; WL 106-31-17
- (7) MOBILE: Silver Top Mountain, NM. Temporary testing at ground level; outdoor, within 50 km, centered around NL 33-22-00; WL 106-31-17
- (8) MOBILE: Santa Rosa Island, FL. Temporary testing at ground level; outdoor, within 2 km, centered around NL 30-23-29; WL 86-45-57

This authorization effective May 06, 2021 and
will expire 3:00 A.M. EST October 30, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Ashburn, VA. Temporary testing at ground level; indoor/outdoor, within 2 km, centered around NL 39-01-28; WL 77-27-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	MO	210KF1D	0.6 W (ERP)	0.00015 %
902-928 MHz	MO	210KF1D	10.9 W (ERP)	0.00015 %
1475-1525 MHz	MO	23M7G1D	7 W (ERP)	5.0E-6 %
2400-2450 MHz	MO	3M03G1D	6 W (ERP)	0.0004 %
2400-2450 MHz	MO	4M06G1D	244 W (ERP)	0.0004 %

MOBILE: Santa Rosa Island, FL. Temporary testing up to 300' AGL, within 2 km, centered around NL 30-23-29; WL 86-45-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	MO	210KF1D	0.6 W (ERP)	0.00015 %
1475-1525 MHz	MO	23M7G1D	7 W (ERP)	5.0E-6 %

Frequency Information

MOBILE: Eglin AFB, FL. Temporary testing at ground level; indoor/outdoor, within 1 km, centered around NL 30-29-13; WL 86-30-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	MO	210KF1D	0.6 W (ERP)	0.00015 %
902-928 MHz	MO	210KF1D	10.9 W (ERP)	0.00015 %
1475-1525 MHz	MO	23M7G1D	7 W (ERP)	5.0E-6 %

MOBILE: Whitesands Missile Range, NM. Temporary testing up to 20,000' AGL, within 50 km, centered around NL 33-22-00; WL 106-31-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	MO	210KF1D	0.6 W (ERP)	0.00015 %
1475-1525 MHz	MO	23M7G1D	7 W (ERP)	5.0E-6 %
2400-2450 MHz	MO	3M03G1D	6 W (ERP)	0.0004 %

MOBILE: Holloman AFB, NM. Temporary testing at ground level; indoor/outdoor, within 2 km, centered around NL 32-50-29; WL 106-05-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	MO	210KF1D	0.6 W (ERP)	0.00015 %

Frequency Information

MOBILE: Holloman AFB, NM. Temporary testing at ground level; indoor/outdoor, within 2 km, centered around NL 32-50-29;
WL 106-05-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	MO	210KF1D	10.9 W (ERP)	0.00015 %
1475-1525 MHz	MO	23M7G1D	7 W (ERP)	5.0E-6 %
2400-2450 MHz	MO	3M03G1D	6 W (ERP)	0.0004 %
2400-2450 MHz	MO	4M06G1D	244 W (ERP)	0.0004 %

MOBILE: Silver Top Mountain, NM. Temporary testing at ground level; outdoor, within 50 km, centered around NL 33-22-00;
WL 106-31-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2400-2450 MHz	MO	4M06G1D	244 W (ERP)	0.0004 %

MOBILE: Silver Top Mountain, NM. Temporary testing at ground level; outdoor, within 50 km, centered around NL 33-22-00;
WL 106-31-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	MO	210KF1D	10.9 W (ERP)	0.00015 %

Frequency Information

MOBILE: Santa Rosa Island, FL. Temporary testing at ground level; outdoor, within 2 km, centered around NL 30-23-29; WL 86-45-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	MO	210KF1D	10.9 W (ERP)	0.00015 %

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 commencing any operations in the frequencies below, the licensee must obtain consent from the following within 50 miles of the contours of the testing area:
 - Location & Monitoring Service licensees (902-928 MHz)
- (4) For White Sands Missile Range (WSMR) and Silver Top Mountain, NM; L3Harris Advanced Systems and Technology must schedule all operations as a WSMR Range Mission, through their WSMR Range Sponsor. Final authority to radiate is contingent upon successful scheduling and de-confliction of both airspace and spectrum with other area operations by the WSMR Installation Spectrum Manager.
- (5) For Holloman AFB, NM: Access to Holloman requires a Program Sponsor. L3Harris Advanced Systems and Technology must schedule all operations as a White Sands Missile Range Mission, through the 586 FLTS Det 1 office. Ground testing at Holloman must be coordinated with the Holloman AFB Spectrum Manager, at 575-572-3392, at least 72 hours prior to activation. Final authority to radiate is contingent upon successful scheduling and de-confliction of both airspace and spectrum with other regional operations.
- (6) For Eglin, FL and Santa Rosa Island, FL, L3Harris Advanced Systems and Technology may not operate in 2400-2450 MHz band due to possible HIA with flight line WIFI systems.
- (7) For Eglin AFB, FL and Santa Rosa Island, FL, Prior to operations in the 902-928 MHz and 1475-1525 MHz bands L3Harris Advanced Systems and Technology must schedule in CSE with Kevin McElroy, kevin.mcelroy.3.ctr@us.af.mil, 850-882-7077 and Daniel Austin, daniel.austin.14@us.af.mil, 850-882-1410.
- (8) L3Harris Advanced Systems and Technology must coordinate with Mr. Roger Ramirez, (C) 575-616- 9062, rogelio.ramirez@navy.mil at least 72 hours prior to transmitting to allow deconfliction with any planned Navy range operations.
- (9) This frequency band assignment in one of the bands 1435-1525, 2310-2320 and 2345-2390 MHz was coordinated prior to authorization with the Area Frequency Coordinators, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency band under the authority of this assignment is subject to such further coordination.

Special Conditions:

- (10) 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.