

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

EXPERIMENTAL

(Nature of Service)

WP9XKB

(Call Sign)

XT      FX MO

(Class of Station)

1769-EX-ST-2019

(File Number)

NAME L3Harris Broadband Communication Systems

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:**

Verify proper operation of equipment designed for high data rate air to air and air to ground applications.

**Station Locations**

- (1) MOBILE: Salt Lake City, UT, within 128 km, centered around NL 40-47-01; WL 111-57-08
- (2) MOBILE: Salt Lake City, UT, within 128 km, centered around NL 40-47-01; WL 111-57-08
- (3) Salt Lake City (SALT LAKE), UT - NL 40-47-01; WL 111-57-08

**Frequency Information**

MOBILE: Salt Lake City, UT, within 128 km, centered around NL 40-47-01; WL 111-57-08

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 15.25 GHz | MO            | 199MG1D             | 3435.6 W (ERP)   | 0.00001 %                 |

This authorization effective January 06, 2020 and  
will expire 3:00 A.M. EST July 07, 2020

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: Salt Lake City, UT, within 128 km, centered around NL 40-47-01; WL 111-57-08

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 14.6 GHz  | MO            | 345MD1D             | 3435.6 W (ERP)   | 0.00001 %                 |
| 15.25 GHz | MO            | 199MG1D             | 3435.6 W (ERP)   | 0.00001 %                 |

Salt Lake City (SALT LAKE), UT - NL 40-47-01; WL 111-57-08

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 14.6 GHz  | FX            | 345MD1D             | 3435.6 W (ERP)   | 0.00001 %                 |

## 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) This authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.
- (4) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (5) The stop buzzer contact for this project is Greg Hansen  
Phone: 801-594-3024  
Email: gregory.l.hansen@l3harris.com
- (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) L3Harris Broadband Communication Systems must notch out the following (+/- 11 MHz):
  - a. 14553.75 MHz, 14578.75 MHz, 14606.25 MHz, 14681.25 MHz, 14765.00 MHz, 15246.25 MHz, 15193.75 MHz, 15218.75 MHz