

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

EXPERIMENTAL

(Nature of Service)

WR9XSX

(Call Sign)

XT MO

(Class of Station)

0039-EX-ST-2021

(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 seeks Special Temporary Authority utilizing unlicensed 2.4 GHz spectrum for experimental transmissions from the ISS to a receive only base station located in Daytona Beach, FL.

Station Locations

(1) MOBILE: Non-Geo, ISS aprx 409 km altitude, 51.6 deg. incl

Frequency Information

MOBILE: Non-Geo, ISS aprx 409 km altitude, 51.6 deg. incl

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.45 GHz	MO	1M00F1D	0.475 W (ERP)	0.1 %

Special Conditions:

- (1) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at <http://sbe.org/wp-content/uploads/freqcoor.pdf> to find the appropriate coordinator.
- (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.

This authorization effective March 10, 2021 and
will expire 3:00 A.M. EST September 09, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (3) Operation subject to prior coordination with Fixed Microwave Service licensees in accordance with 47 C.F.R, Part 101.103(d) prior to operation in the proposed frequency band.
- (4) L3Harris Technology shall not transmit during International Space Station (ISS) Extravehicular Activities (EVA). L3Harris Technology shall coordinate operations with the ISS Payload Operations Center at the NASA Marshall Spaceflight Center prior to operations, and L3Harris Technology must comply with any and all restrictions levied by the ISS Program. L3Harris Technology shall provide the approved FCC license to the NASA Johnson Space Center Spectrum Manager (jsc-dl-spectrummanagement@mail.nasa.gov) prior to installation and operation of the payload on the ISS.
- (5) Stop buzzer POC is Jeffrey Buell at 832-915-5405.
- (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.