

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

EXPERIMENTAL

(Nature of Service)

WR9XHZ

(Call Sign)

XT FX MO

(Class of Station)

1722-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 for waveform testing and equipment validation at L3Harris facility within the confines of TSTC Waco Airport.

Station Locations

- (1) Waco (MCLENNAN), TX - NL 31-38-08; WL 97-05-08; MOBILE: Waco, TX, within 5 km, centered around NL 31-38-08; WL 97-05-08

Frequency Information

Waco (MCLENNAN), TX - NL 31-38-08; WL 97-05-08; MOBILE: Waco, TX, within 5 km, centered around NL 31-38-08; WL 97

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
420-449 MHz	MO	1M20W7D	10 W (ERP)	0.00025 %
460-470 MHz	MO	25K0W7D	5 W (ERP)	0.00025 %
800-810 MHz	MO	5M00W7D	10 W (ERP)	0.00025 %

This authorization effective December 04, 2020 and
will expire 3:00 A.M. EST March 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Waco (MCLENNAN), TX - NL 31-38-08; WL 97-05-08; MOBILE: Waco, TX, within 5 km, centered around NL 31-38-08; WL 97

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2000-2010 MHz	MO	5M00W7D	10 W (ERP)	0.00025 %
4.3-4.5 GHz	MO	20M0W7D	5 W (ERP)	0.00025 %
4.6-4.7 GHz	MO	11M0G1D	5 W (ERP)	0.00025 %
4.8-4.99 GHz	MO	20M0W7D	5 W (ERP)	0.00025 %

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) The stop buzzer POC is Tim Kemnitz, Phone: 585-694-7901.
- (5) Prior to commencing any operations in the 2000-2010 MHz frequency band, experimental licensee must notify licensee of GAMMA ACQUISITION L.L.C. (Call sign E060430, POC/Satellite: S2633. Name: Ms. Allison Minea, Phone Number: 202-293-1216, E-Mail: alison.minea@dish.com). The notice must include the name and contact information of the stop buzzer personnel that will be available to cease operations in the event of reported interference. The notification should include the testing parameters (specific location(s), antenna gain(s), antenna height(s), antenna orientation, EIRP, EIRP density) and day and times of each test.
- (6) Prior to commencing any operations in the frequencies below, L3HARRIS TECHNOLOGIES, INC. must obtain consent from the following within 50 miles of the contours of the testing area:
 - SMR licensees (809-824 MHz/854-869 MHz)
 - B/ILT licensees (809-824 MHz/854-869 MHz)
- (7) L3Harris Technologies, Inc. be reminded of the need to avoid out-of-band transmissions into the adjacent 4.99-5.0 GHz band, which is protected by footnote US246.

Special Conditions:

- (8) In accordance with US261 The use of the band 4200-4400 MHz by the aeronautical radionavigation service is reserved exclusively for airborne radio altimeters. Experimental stations will not be authorized to develop equipment for operational use in this band other than equipment related to altimeter stations.