

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

EXPERIMENTAL

(Nature of Service)

WS9XBU

(Call Sign)

XC MO

(Class of Station)

0580-EX-ST-2021

(File Number)

NAME Leidos, 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:

The testing conducted by Leidos is a critical part of the manufacture and delivery of military systems provided to the Armed Forces in support of Homeland Security as well as war efforts.

Station Locations

- (1) MOBILE: Temporary Fixed Ground Crestview Florida, within 1 km, centered around NL 30-46-09; WL 86-30-59
- (2) MOBILE: Mobile Airborne Operations Crestview Florida, within 1000 km, centered around NL 30-46-09; WL 86-30-59

Frequency Information

MOBILE: Temporary Fixed Ground Crestview Florida, within 1 km, centered around NL 30-46-09; WL 86-30-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
34.09 MHz	MO	16K0G3E	40 W (ERP)	
38.4 MHz	MO	16K0G3E	40 W (ERP)	

This authorization effective May 20, 2021 and
will expire 3:00 A.M. EST November 18, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Temporary Fixed Ground Crestview Florida, within 1 km, centered around NL 30-46-09; WL 86-30-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
40.175 MHz	MO	16K0G3E	40 W (ERP)	
49.975 MHz	MO	16K0G3E	40 W (ERP)	
123.575 MHz	MO	16K0G3E	40 W (ERP)	
129-132 MHz	MO	16K0G3E	40 W (ERP)	
240.65 MHz	MO	16K0G3E	40 W (ERP)	
272.025 MHz	MO	16K0G3E	40 W (ERP)	
303.3 MHz	MO	16K0G3E	40 W (ERP)	
324.9 MHz	MO	16K0G3E	40 W (ERP)	
383.2375 MHz	MO	16K0G3E	40 W (ERP)	

Frequency Information

MOBILE: Mobile Airborne Operations Crestview Florida, within 1000 km, centered around NL 30-46-09; WL 86-30-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
34.09 MHz	MO	16K0G3E	50 W (ERP)	
38.4 MHz	MO	16K0G3E	50 W (ERP)	
40.175 MHz	MO	16K0G3E	50 W (ERP)	
49.975 MHz	MO	16K0G3E	50 W (ERP)	
123.575 MHz	MO	16K0G3E	50 W (ERP)	
129-132 MHz	MO	16K0G3E	50 W (ERP)	
240.65 MHz	MO	16K0G3E	50 W (ERP)	
272.025 MHz	MO	16K0G3E	50 W (ERP)	
303.3 MHz	MO	16K0G3E	50 W (ERP)	
324.9 MHz	MO	16K0G3E	50 W (ERP)	

Frequency Information

MOBILE: Mobile Airborne Operations Crestview Florida, within 1000 km, centered around NL 30-46-09; WL 86-30-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
383.2375 MHz	MO	16K0G3E	50 W (ERP)	

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) 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.
- (3) 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.
- (4) 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.
- (5) Stop buzzer POC are David M. West at (423) 836-8325, Clarence Simpson at (540) 831-0261, and Scott St. John at (540) 383-9925.
- (6) Prior to commencing any operations at the 138 MHz frequency band, experimental licensee must notify licensee of ORBCOMM License Corp. (Call signs: E940534, S2103. Mr. Walter H. Sonnenfeldt, Phone Number: 585-461-3018, E-Mail: sonnenfeldt.walter@orbcomm.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.
- (7) Prior to commencing any operations at the 138 MHz frequency band, experimental licensee must notify licensee of Swarm Technologies, Inc. (Call signs: E190490, S3041. Dr. Sophie Arlow, Phone Number: 425-753-3349, E-Mail: sophie@swarm.space). 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.
- (8) Notch out 135.85 MHz.
- (9) Schedule the frequencies 129-132 MHz, and 328.7-335 MHz with Center Scheduling Enterprise (CSE): The Center Scheduling Enterprise (CSE) POCs are: Kevin McElroy, kevin.mcelroy.3.ctr@us.af.mil, Eglin AFB FL, 850-882-7077 ; Daniel Austin, daniel.austin.14@us.af.mil, Eglin AFB FL, 850-882-1410

Special Conditions:

- (10) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S. Government; contract number H92408219P001 . The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (11) For the 30 MHz to 70 MHz band, the customer is restricted to a radius of 322 kilometers and use of the following center frequencies: a. 34.09MHZ b. 38.40MHZ c. 40.175MHz d. 49.975MHz
- (12) This license SUPERSEDES the previously issued license with the same call sign and file number: adding condition 11.