

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

EXPERIMENTAL

(Nature of Service)

WR9XBK

(Call Sign)

XT MO

(Class of Station)

1920-EX-ST-2020

(File Number)

NAME Space Exploration Technologies Corp. (SpaceX)

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:**

Pre-launch checkout of satellite antennas and TTC links for commercial payload mission, including operation of the fairing re-rad system, prior to flight.

Station Locations

- (1) MOBILE: Cape Canaveral AFS, FL, within 4 km, centered around NL 28-33-43; WL 80-34-38
- (2) MOBILE: Kennedy Space Center, FL, within 4 km, centered around NL 28-36-29; WL 80-36-15
- (3) MOBILE: Cape Canaveral AFS, FL, centered around NL 28-32-35; WL 80-35-27
- (4) MOBILE: Cape Canaveral AFS, FL, centered around NL 28-32-35; WL 80-35-27
- (5) MOBILE: Cape Canaveral AFS, FL, within 4 km, centered around NL 28-33-43; WL 80-34-38
- (6) MOBILE: Kennedy Space Center, FL, within 4 km, centered around NL 28-36-29; WL 80-36-15

**Frequency Information**

MOBILE: Cape Canaveral AFS, FL, within 4 km, centered around NL 28-33-43; WL 80-34-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6422.5-6424.5 MHz	MO	1M00F2D	0.17 W (ERP)	

This authorization effective February 07, 2021 and will expire 3:00 A.M. EST August 07, 2021

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: Kennedy Space Center, FL, within 4 km, centered around NL 28-36-29; WL 80-36-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4196.5 MHz	MO	1M50G8D	40.74 W (ERP)	
4198 MHz	MO	1M50G8D	43.65 W (ERP)	

MOBILE: Cape Canaveral AFS, FL, centered around NL 28-32-35; WL 80-35-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2323.1 MHz	MO	1M50G8D	17.78 W (ERP)	
2325.5 MHz	MO	1M50G8D	15.85 W (ERP)	
4196.5 MHz	MO	1M50G8D	40.74 W (ERP)	
4198 MHz	MO	1M50G8D	43.65 W (ERP)	

MOBILE: Cape Canaveral AFS, FL, centered around NL 28-32-35; WL 80-35-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6422.5-6424.5 MHz	MO	1M00F2D	0.17 W (ERP)	

## Frequency Information

MOBILE: Cape Canaveral AFS, FL, centered around NL 28-32-35; WL 80-35-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7041-7073 MHz	MO	1M00F2D	0.18 W (ERP)	

MOBILE: Cape Canaveral AFS, FL, within 4 km, centered around NL 28-33-43; WL 80-34-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4196.5 MHz	MO	1M50G8D	40.74 W (ERP)	
4198 MHz	MO	1M50G8D	43.65 W (ERP)	

MOBILE: Kennedy Space Center, FL, within 4 km, centered around NL 28-36-29; WL 80-36-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6422.5-6424.5 MHz	MO	1M00F2D	0.17 W (ERP)	

## Special Conditions:

- (1) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (2) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at [https://www.sbe.org/sections/freq\\_local.php](https://www.sbe.org/sections/freq_local.php) 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) Prior to transmitting at CCAFS or KSC, Florida, SpaceX shall coordinate and schedule their operations with Range Scheduling, (321)- 853-5941, email: 1ropschd@us.af.mil and provide a copy of FCC license to the 45th Space Wing Spectrum Management Office, (321)-853-8408, email: 45sw.erfmo@us.af.mil with Cc'ing DoD EAFC (321)-853-8426, email: 45sw.dodeafc@us.af.mil.

**Special Conditions:**

- (5) Stop buzzer: Kristi Key  
Phone: 3109708116  
Email: kristina.key@spacex.com

## Special Conditions:

- (6) Prior to commencing any operations at the 4196.5 MHz and 4198 MHz frequency band, the applicant must notify the licensees operating in the 3700-4200 MHz listed below of its test dates and provide a stop buzzer in case of interference:
- Parameters: Latitude=28° 32' 35", Longitude=80° 35' 27",  
Parameters: Latitude=28° 33' 43", Longitude=80° 34' 38",  
Parameters: Latitude=28° 36' 29", Longitude=80° 36' 15",  
Call Sign: E190359 File Number: SES-REG-20180830-04054  
Licensee: Eastern Florida State College  
ATTN: Mark Speer  
Phone: 321-632-1111 Fax: E-Mail: speerm@easternflorida.edu  
Site Address/ Contact Information  
1519 Clearlake Rd.  
Cocoa, FL  
Mark Speer 321-433-7197  
Call Sign: E190372 File Number: SES-REG-20180914-04067  
Licensee: Corporation of the Presiding Bishop of The Church of Jesus Christ of Latter-day  
ATTN: Bart Eichelberger  
Phone: 510-531-3200 Fax: E-Mail:  
Counsel: Wiley Rein LLP  
ATTN:  
Phone: 2027194975 Fax: E-Mail:  
Site Address/ Contact Information:  
3000 South Street  
TITUSVILLE, FL  
Bart Eichelberger 801-240-1000  
Call Sign: E191002 File Number: SES-REG-20180925-04635  
2  
Licensee: Brevard County Brd of County Commissioners  
ATTN: Ms Anda C Skambraks  
Phone: 321-690-6843 Fax: E-Mail: Anda.Skambraks@BrevardFL.gov  
Site Address/ Contact Information:  
1746 Cedar Street  
Rockledge, FL  
Anda Skam braks 321-690-6843  
Call Sign: E190372 File Number: SES-REG-20180914-04067  
Licensee: Corporation of the Presiding Bishop of The Church of Jesus Christ of Latter-day  
ATTN: Bart Eichelberger  
Phone: 510-531-3200 Fax: E-Mail:  
Counsel: Wiley Rein LLP  
ATTN:  
Phone: 2027194975 Fax: E-Mail:  
Site Address/ Contact Information:  
1801 South Fiske Boulevard  
ROCKLEDGE, FL  
Bart Eichelberger 801-240-1000  
Call Sign: E201839 File Number: SES-REG-20181030-07246  
Licensee: Genesis Communications I, Inc.  
ATTN: Bruce C Maduri  
Phone: 813-281-1040 Fax: 813-281-1948 E-Mail: ceo@radiogenesis.com

Special Counsel: BARRY MAGRILL, PE

ATTN:

Phone: (352) 575-4499 Fax: E-Mail:

Site Address/ Contact Information:

6305 SR 46

Mims, FL

Bruce Maduri (813) 281-1040

Call Sign: E190982 File Number: SES-REG-20180921-04615

Licensee: Brevard County Brd of County Commissioners

ATTN: Ms Anda C Skambraks

Phone: 321-690-6843 Fax: E-Mail: Anda.Skambraks@BrevardFL.gov

Site Address/ Contact Information:

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2725 Judge Fran Jamieson Way

VIERA, FL

Anda Skambraks 321-690-6843

Call Sign: E960217 File Number: SES-RWL-20060124-00129

Licensee: Associated Press

ATTN: Oleta J Brown

Phone: 816-654-1000 Fax: 816-654-1035 E-Mail: ojbrown@ap.org

Counsel: WILEY, REIN & FIELDING

ATTN:

Phone: (202) 429-7245 Fax: E-Mail:

Call Sign: E190835 File Number: SES-REG-20180921-04493

Licensee: WFTV, LLC

ATTN: Chief Engineer

Phone: 407-841-9000 Fax: E-Mail: jeff.juniet@wftv.com

Counsel: Cooley LLP

ATTN:

Phone: 202-776-2687 Fax: E-Mail:

Site Address/ Contact Information:

21680 Fort Christmas Road

Christmas, FL

Chief Engineer 407-841-9000

Call Sign: E190269 File Number: SES-REG-20180820-03963

Licensee: Hearst Properties Inc.

ATTN: Stephen Hartzell

Phone: 919-839-0300 Fax: 919-839-0304 E-Mail: shartzell@brookspierce.com

Counsel: BROOKS, PIERCE ET AL.

ATTN:

Phone: 919-839-0300 Fax: E-Mail:

Site Address/ Contact Information:

4652 Brown Rd

Christmas, FL

Richard Monn 407-645-2222

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Parameters: Latitude=28° 32' 35", Longitude=80° 35' 27",

Call Sign: E200918 File Number: SES-REG-20181016-06238

Licensee: WSBH FM, LLC

ATTN: David W. Poore

Phone: 321-752-9850 Fax: 321-752-8717 E-Mail: dpoore@beach985.com

Counsel: Repp Law Firm

ATTN:

Special: Phone: 2026561619 Fax: E-Mail:

Site Address/ Contact Information:

1865 Harlock Road

Melbourne, FL

David W. Poore 3217529850

Call Sign: E190072 File Number: SES-REG-20181017-03705

Licensee: Global Eagle Telecom Licensing Subsidiary LLC

ATTN: Ms Julia Waldron

Phone: 2024166742 Fax: E-Mail: Julia.Waldron@globaleagle.com

Counsel: LERMAN SENTER PLLC

ATTN:

Phone: 202-429-8970 Fax: E-Mail:

Site Address/ Contact Information:

421 Croton Road

Melbourne, FL

Roddey Stevenson 321-259-7745

Parameters: Latitude=28° 32' 35", Longitude=80° 35' 27",

Parameters: Latitude=28° 36' 29", Longitude=80° 36' 15",

Call Sign: E190372 File Number: SES-REG-20180914-04067

Licensee: Corporation of the Presiding Bishop of The Church of Jesus Christ of Latter-day

ATTN: Bart Eichelberger

Phone: 510-531-3200 Fax: E-Mail:

Counsel: Wiley Rein LLP

ATTN:

Phone: 2027194975 Fax: E-Mail:

Site Address/ Contact Information:

1145 Creel Street

MELBOURNE, FL

Bart Eichelberger 801-240-1000

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Call Sign: E190268 File Number: SES-REG-20180820-03962

Licensee: Hearst Properties Inc.

ATTN: Stephen Hartzell

Phone: 919-839-0300 Fax: 919-839-0304 E-Mail: shartzell@brookspierce.com

Counsel: BROOKS, PIERCE ET AL.

ATTN:

Phone: 919-839-0300 Fax: E-Mail:

Site Address/ Contact Information:

3010 Dill Rd (D#7)

Bithlo, FL

Richard Monn 407-645-2222

Parameters: Latitude=28° 36' 29", Longitude=80° 36' 15",

Call Sign: E191354 File Number: SES-REG-20181008-04978

Licensee: UniMas Orlando, Inc.

ATTN: Christopher G Wood

Phone: 310-348-3600 Fax: E-Mail: cwood@univision.net

Counsel: Covington &amp; Burling LLP

Phone: 202-662-5719

Site Address/ Contact Information:

3010 Dill Rd.

Bithlo, FL

Frank Banos 321-254-4343

**Special Conditions:**

- (7) All operations shall be limited to pre-launch testing to include fairing re-rad for a commercial payload on SpaceX mission 1441.