

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

EXPERIMENTAL

(Nature of Service)

WV9XYG

(Call Sign)

XT MO

(Class of Station)

1143-EX-ST-2026

(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:

Launch vehicle communications for Test Flight 13 mission launching from Starbase, TX. The 1st stage booster and the 2nd stage will either return to the launch site or perform a water landing.

Station Locations

- (1) MOBILE: Orbital Pad, Booster, Boca Chica, TX, centered around NL 25-59-48; WL 97-09-18

Frequency Information

MOBILE: Orbital Pad, Booster, Boca Chica, TX, centered around NL 25-59-48; WL 97-09-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2206 MHz	MO	4M88G1D	25 W (ERP)	0.000225 %
2224 MHz	MO	4M88G1D	25 W (ERP)	0.000225 %
2242 MHz	MO	4M88G1D	25 W (ERP)	0.000225 %

This authorization effective July 08, 2026 and
will expire 3:00 A.M. EST January 09, 2027

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Orbital Pad, Booster, Boca Chica, TX, centered around NL 25-59-48; WL 97-09-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2248 MHz	MO	4M88G1D	25 W (ERP)	0.000225 %

Special Conditions:

- (1) The occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) All SpaceX operations granted on an experimental basis under this STA must be on an unprotected and non-interference basis to authorized federal stations.
- (3) Operations authorized under this STA are limited to telemetry, tracking, and launch vehicle communications for the Starship suborbital booster during its Test Flight 13 from Boca Chica (TX), including the subsequent experimental recovery operations. Transmissions under this STA must use only first stage telemetry channels with 4.88 MHz bandwidth and center frequencies of 2206, 2224, 2242, and/or 2248 MHz. This STA expires at the conclusion of recovery operations or on 8 January 2027, whichever occurs first, and any future test flights, extensions, or missions require new applications to the FCC for coordination with NTIA and other federal agencies.
- (4) Operations authorized under this STA are to be used exclusively as a backup and only in the event that the primary Stage 1 links in the 2360 - 2395 MHz band (granted under 0681 EX ST 2026) cannot be successfully coordinated with AFTRCC prior to Test Flight 13.

Special Conditions:

- (5) As soon as possible, but no later than sixty (60) business days prior to the planned launch, SpaceX is required to provide, as a minimum, launch date/time/window and planned first- and second-stage trajectory, transmission frequencies with associated duration/cut-off time to:

David Stringham (david.stringham.2@spaceforce.mil, USSF SSC 2 ROPS/DOPS),
Dave Everett (david.everett.16@spaceforce.mil, USSF SSC 2 ROPS/DOPS),
James Davis (james.davis.144.ctr@spaceforce.mil, USSF W-LTRS/RGNext),
Sigfredo Santiago (sigfre.santiagohernandez.1@spaceforce.mil, USSF SSC SLD 45),
DoD Eastern AFC (45sw.dodeafc@us.af.mil),
SLD 45 SMO (45sw.erfmo@us.af.mil),
Nicole Teague (nicole.teague@us.af.mil, AFSMO),
Shaobei Xu (shaobei.xu.1@us.af.mil, AFSMO),
Felipe Arroyo (felipe.arroyo-1@nasa.gov, NASA WFF),
Christian Amey (christian.v.amey@nasa.gov, NASA WFF),
NASA GSFC Spectrum Office
(NASA-DL-GSFC-Spectrum-Management@mail.nasa.gov),
Michael Ferens (michael.t.ferens@nasa.gov, NASA LaRC),
NOAA Satellite Operations Control Center (Matt.G.Sullivan@noaa.gov), and
NASA JSC Spectrum Office (JSC-DL-Spectrum-Management@mail.nasa.gov).
SpaceX must also provide any additional technical or operational information that may be requested by frequency coordination contacts to facilitate successful coordination. In the event of last-minute changes to any data provided for the purpose of coordination, 48-hour notice is required.

- (6) The STOP BUZZER POC information for launch operations must be provided to NTIA (ravery@ntia.gov). This phone must be manned 24/7.
- (7) SpaceX must keep a log of all transmissions in the band 2200-2290 MHz and provide to the NTIA after the mission. This log must include (at a minimum) date, time, frequency, EIRP density, and pointing direction of all antennas. The log must be provided to ravery@ntia.gov no later than three (3) weeks after completing the mission.