

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

EXPERIMENTAL

(Nature of Service)

WA8XDH

(Call Sign)

XT MO

(Class of Station)

1283-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:

This STA is necessary to add the additional frequency 2287.5 MHz to stage 2 for launch vehicle communications on the SpaceX FH RST Mission from Kennedy Space Center.

Station Locations

(1) MOBILE: Pad 39a: Launch vehicle 2nd stage, SP

Frequency Information

MOBILE: Pad 39a: Launch vehicle 2nd stage, SP

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2287.5 MHz	MO	4M80G1D	9.6 W (ERP)	0.000225 %

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) This authorization is strictly limited to second stage launch vehicle communications for the single SpaceX Falcon 9 Heavy RST Mission, and this authorization expires at the conclusion of launch vehicle operations or 20 February 2027, whichever occurs first.

This authorization effective August 20, 2026 and
will expire 3:00 A.M. EST February 21, 2027

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COMMISSION**



Special Conditions:

- (3) In accordance with Footnote US303, transmissions using a center frequency of 2287.5 MHz shall be limited to space-to-space return links through the Tracking and Data Relay Satellite System (TDRSS). Any other usage, such as space-to-Earth transmissions (direct downlinks), is strictly prohibited. All use of TDRSS return links must be successfully coordinated and scheduled with the Space Network (SN) prior to operations.
- (4) All transmissions in the band 2200-2290 MHz shall comply with the power flux-density (PFD) limits in Article 21 of the International Telecommunications Union (ITU) Radio Regulations, the protection criteria for deep-space research earth stations provided in Recommendation ITU-R SA.1157, and the unwanted emission mask specified in Section 5.6.2 of the NTIA Manual.
- (5) As soon as possible, but no later than 60 business days prior to the planned launch, The Boeing Company 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), 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). In the event of last-minute changes, 48-hour notice is required.
- (6) Sixty (60) days prior to transmitting at Cape Canaveral, The Boeing Company must coordinate and schedule their operations with Range Scheduling (1ropschd@us.af.mil, 321-853-5941), Jamie Bjornbak (James.P.Bjornbak@nasa.gov, 321-867-6905, NASA KSC SMO), and NASA GSFC Spectrum Office (NASA-DL-GSFC-Spectrum-Management@mail.nasa.gov), and provide a copy of the FCC license, any changes to the launch mission trajectory/telemetry data, and Stop Buzzer POC to the 45th Space Wing Spectrum Management Office, 321-853-8408, email: 45sw.erfmo@us.af.mil and DoD EAFC, 321-853-8426, email: 45sw.dodeafc@us.af.mil.
- (7) SpaceX shall keep a log of all transmissions centered at 2287.5 MHz and provide to the NTIA after launch. This log shall include (as a minimum) date, time, frequency, EIRP density, and pointing direction of all antennas. The log shall be provided to the following NTIA personnel no later than three (3) weeks after completing each launch event: ravery@ntia.doc.gov.
- (8) The STOP BUZZER POC information for launch operations shall be provided to NTIA (ravery@ntia.doc.gov). This phone shall be manned 24/7.