

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WS9XSU

(Call Sign)

1287-EX-ST-2021

(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:

On-ground testing of Starship Prototype orbital test vehicle communications at the Boca Chica TX site.

Station Locations

(1) Boca Chica (CAMERON), TX - NL 25-59-27; WL 97-10-55

Frequency Information

Boca Chica (CAMERON), TX - NL 25-59-27; WL 97-10-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2106.40625 MHz	FX	4M31G1D 800KG1D	3 W (ERP)	0.001 %

Special Conditions:

- (1) 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.
- (2) All operations are limited to ground testing of the Starship Prototype at the Boca Chica, Texas location. This STA will expire on 16 March 2022.

This authorization effective September 21, 2021 and
will expire 3:00 A.M. EST March 16, 2022

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COMMISSION**



Special Conditions:

- (3) All operations are on a non-interference basis (NIB) and shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating stations. SpaceX should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee will be subject to immediate shut down. SpaceX shall have no expectations that future requests for operational use this frequency to support high-power uplink transmissions to the Starship will be approved, as the potential impacts to federal operations are significantly different than low-power testing at the Boca Chica, Texas location.
- (4) Transmissions shall be limited to an ERP less than or equal to 3 Watts.
- (5) SpaceX shall maintain a log of on-ground testing to be made available to AF in the event of suspected interference or encroachment to authorized AF stations.