

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

EXPERIMENTAL

(Nature of Service)

WQ9XES

(Call Sign)

XT MO

(Class of Station)

0273-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:

Experimental launch, landing, and recovery of the Starship suborbital test vehicle from Boca Chica TX.

Station Locations

- (1) **MOBILE:** Launch Vehicle Landing Site, within 2 km, centered around NL 25-59-49; WL 97-09-19

Frequency Information

MOBILE: Launch Vehicle Landing Site, within 2 km, centered around NL 25-59-49; WL 97-09-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4255 MHz	MO	40M0F3N	1.55 W (ERP)	0.0005 %
4345 MHz	MO	40M0F3N	1.55 W (ERP)	0.0005 %

This authorization effective March 20, 2020 and will expire 3:00 A.M. EST September 20, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (1) All operations shall be limited to the Starship suborbital test vehicle radar for SpaceX Mission 1578 from the Boca Chica, TX site, and the experimental recovery following the suborbital launch.
- (2) As soon as possible, but no later than 30 business days prior to the planned launch, SpaceX is required to provide Air Force (Email: Jimmy.Nguyen@us.af.mil, Robert.Avery.9@us.af.mil, Shaobei.Xu.1@us.af.mil and David.pooley@us.af.mil) with the following data for launch coordination:
 - a. primary and back up launch date/time/window
 - b. planned first- and second-stage trajectory, transmission frequencies with associated duration/cut-off time
 - c. the launch coordination Memo
 - d. copy/ies of FCC granted (STA) for frequency/ies that will be used for the launch.