

**United States of America  
FEDERAL COMMUNICATIONS COMMISSION  
EXPERIMENTAL  
RADIO STATION CONSTRUCTION PERMIT  
AND LICENSE**

EXPERIMENTAL  
(Nature of Service)

WJ2XYJ  
(Call Sign)

XT FX MO  
(Class of Station)

0130-EX-CM-2019  
(File Number)

NAME Space Exploration Technologies

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(d, e & j) of the Commission's Rules

Station Locations

- (1) MOBILE: SpaceX South Texas Launch Site, Boca Chica, TX: Max altitude 16,400 ft. AGL, within 1 km, centered around NL 25-59-50; WL 97-09-25
- (2) Boca Chica (CAMERON), TX - NL 25-59-27; WL 97-10-55
- (3) Boca Chica (CAMERON), TX - NL 25-59-52; WL 97-09-26

Frequency Information

MOBILE: SpaceX South Texas Launch Site, Boca Chica, TX: Max altitude 16,400 ft. AGL, within 1 km, centered around NL 25-59-50; WL 97-09-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2209 MHz	MO	4M84F1D	122 mW (ERP)	
2232.5 MHz	MO	4M14F1D	122 mW (ERP)	
2255.5 MHz	MO	4M84F1D	122 mW (ERP)	

This authorization effective September 17, 2019 and will expire 3:00 A.M. EST March 01, 2021

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Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2272.5 MHz	MO	4M14F1D	122 mW (ERP)	

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2090 MHz	FX	800KG1D	99997.5 W (ERP)	0.0002255 %

Boca Chica (CAMERON), TX - NL 25-59-52; WL 97-09-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2090 MHz	FX	800KG1D	3 W (ERP)	0.0002255 %

Special Conditions:

- (1) 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.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) 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.