

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

EXPERIMENTAL

(Nature of Service)

WJ2XEB

(Call Sign)

XT FX MO

(Class of Station)

0237-EX-CM-2020

(File Number)

NAME Blue Origin Texas, LLC

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 h) of the Commission's Rules

Station Locations

- (1) MOBILE: Van Horn, TX, within 8.4 km, centered around NL 31-25-23; WL 104-45-26
- (2) Van Horn (CULBERSON), TX - NL 31-25-23; WL 104-45-26; MOBILE: Van Horn, TX, within 40 km, centered around NL 31-25-23; WL 104-45-26

Frequency Information

MOBILE: Van Horn, TX, within 8.4 km, centered around NL 31-25-23; WL 104-45-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2202 MHz	MO	4M00D1D	5 W (ERP)	
2211 MHz	MO	4M00D1D	5 W (ERP)	
2215 MHz	MO	4M00D1D	5 W (ERP)	
2250 MHz	MO	4M00D1D	5 W (ERP)	

This authorization effective December 07, 2020 and
will expire 3:00 A.M. EST July 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Van Horn, TX, within 8.4 km, centered around NL 31-25-23; WL 104-45-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2272.5 MHz	MO	4M00D1D	5 W (ERP)	

Van Horn (CULBERSON), TX - NL 31-25-23; WL 104-45-26; MOBILE: Van Horn, TX, within 40 km, centered around NL 31-25-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2042 MHz	MO	4M00D1D 2M00D1D	531 W (ERP)	
2069.1 MHz	MO	4M00D1D 2M00D1D	531 W (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) 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.
- (3) Blue Origin must coordinate with the local Society of Broadcast Engineer frequency coordinator prior to operation 2042.0 MHz and 2069.1 MHz..
- (4) All operations are on a strict non-interference basis to authorized federal users.
- (5) Operations are limited to test and development purposes only. Blue Origin, LLC is required to obtain additional FCC Experimental Licenses for flight tests or launch operations. Blue Origin, LLC shall be aware that future non-federal launches will be considered on a case-by-case basis, especially for requests in the band 2200-2290 MHz, and Blue Origin, LLC shall have no expectations of automatic approval.
- (6) Blue Origin, LLC shall be aware that future requests for operational commercial launch vehicle transmissions within the 2200-2290 MHz frequency band should be limited the following recommended frequencies 2211.0 +/-4 MHz, 2215.0 +/-4 MHz, 2272.5 +/-2 MHz, or 2285-2290 MHz (for communication with NASA Tracking and Data Relay Satellite (TDRS) only), to avoid impact to federal operations that may result in unfavorable findings.

Special Conditions:

- (7) Notification shall be provided to the NASA GSFC Spectrum Management Office at NASA-DL-GSFC-SPECTRUM-MANAGEMENT@MAIL.NASA.GOV, at least 3 days prior to operation, for uplink operations using a frequency of 2042 MHz or 2069.1 MHz.
- (8) The Stop Buzzer POC, Curtis Tackitt at 253-437-5525, shall be available at all times during testing operations.
- (9) Prior to activation, schedule all operations with DoD-AFC WSMR is required at least 96 hours prior via email at WSMR.IMCOM-CENTRAL.LIST.DODAF(AT)MAIL.MIL.
- (10) Upon notification from the FCC, operation on this assignment is subject to immediate cessation, if it causes harmful interference to NASA operation assignments.
- (11) Operation is subject to coordination with the area frequency coordinator located at White Sands Missile Range, New Mexico, prior to use in the state of New Mexico or other U.S. territory within a 240-kilometer radius of WSMR plus the area of Utah and Colorado that lies South of 41 North and between 108 and 111 West.