

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

EXPERIMENTAL

(Nature of Service)

WL9XYM

(Call Sign)

XT MO

(Class of Station)

1574-EX-ST-2017

(File Number)

NAME Blue Origin Texas, LLC

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:

Space launch of the New Shepard booster and capsule; receipt of telemetry data from the vehicles during flight.

Station Locations

- (1) MOBILE: Flight level 350,000 FT AGL, Van Horn, TX, within 8.4 km, centered around NL 31-25-23; WL 104-45-26

Frequency Information

MOBILE: Flight level 350,000 FT AGL, 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)	
2250 MHz	MO	4M00D1D	5 W (ERP)	

This authorization effective November 09, 2017 and
will expire 3:00 A.M. EST May 02, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Blue Origin must schedule operations at least 96 hours in advance, with the DoD Area Frequency Coordinator, via e-mail to usarmy.wsmr.imcom-central.list.dodafc@mail.mil. For each mission, Blue Origin will provide the dates/times of the launch window, the frequency(ies) to be used, the maximum flight level, and a copy of the approved FCC license.
- (4) All operations shall be limited to telemetry communications for the Blue Origin Texas, LLC New Shepard booster and capsule test flight. This STA is limited to a single New Shepard booster and capsule test flight. This STA will expire as soon as the test flight has been completed or 1 May 2018, whichever occurs first. Any future test flights will need to submit applications to the FCC to be re-coordinated with the NTIA.
- (5) All transmissions in the band 2200-2290 MHz shall comply with national and international power flux density limits, unless otherwise coordinated and agreed to. PFD analysis and exceedances shall be provided in the FCC application and provided to the NTIA for US Government review.
- (6) Blue Origin Texas, 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 Texas, LLC shall have no expectations that future launches will be approved.
- (7) As soon as possible, but no later than 60 business days prior to the planned launch, Blue Origin Texas, LLC is required to provide, as a minimum, launch date/time/window and planned trajectory, transmission frequencies with associated duration/cut-off time to Jimmy Nguyen (jimmy.nguyen@us.af.mil, AFSMO), Felipe Arroyo (felipe.arroyo-1@nasa.gov, NASA/WFF), Scott Galbraith (vincent.s.galbraith@nasa.gov, NASA/GSFC), Stephen Horan (stephen.j.horan@nasa.gov, NASA/LARC), NOAA Satellite Operations Control Center (philip.l.whaley@noaa.gov), Richard Ontiveros, (richard.ontiveros1@navy.mil, NMSC), and Cathy Sham (catherine.c.sham@nasa.gov, NASA/JSC). In the event of last-minute changes, 48-hour notice is required
- (8) The STOP BUZZER POC information, for launch operations shall be provided to NTIA (bmitchell@ntia.doc.gov). This phone shall be manned 24/7.