

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

EXPERIMENTAL

(Nature of Service)

WL2XJI

(Call Sign)

XT FX MO

(Class of Station)

1924-EX-ST-2020

(File Number)

NAME Virgin Galactic 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:

Testing equipment.

Station Locations

- (1) MOBILE: Spaceport America, Truth or Consequence, NM, within 185 km, centered around NL 32-59-14; WL 106-58-37
- (2) MOBILE: Spaceport America, Sierra County, NM, within 185 km, centered around NL 32-59-14; WL 106-58-37
- (3) MOBILE: Spaceport America, Truth or Consequence, NM, within 185 km, centered around NL 32-59-14; WL 106-58-37
- (4) MOBILE: Spaceport America, Truth or Consequence, NM, within 185 km, centered around NL 32-59-14; WL 106-58-37
- (5) MOBILE: Spaceport America, Truth or Consequence, NM, within 185 km, centered around NL 32-59-14; WL 106-58-37
- (6) Truth or Consequence, NM - NL 32-59-14; WL 106-58-37

This authorization effective January 21, 2021 and
will expire 3:00 A.M. EST May 03, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Spaceport America, Truth or Consequence, NM, within 185 km, centered around NL 32-59-14; WL 106-58-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
123.275 MHz	MO	25K0A3E	16 W (ERP)	
123.45 MHz	MO	25K0A3E	16 W (ERP)	
123.525 MHz	MO	25K0A3E	16 W (ERP)	

MOBILE: Spaceport America, Sierra County, NM, within 185 km, centered around NL 32-59-14; WL 106-58-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1445.5 MHz	MO	3M75G7D	10 W (ERP)	
1451.5 MHz	MO	3M75G7D	10 W (ERP)	
1462.5 MHz	MO	3M75G7D	10 W (ERP)	
1470.5 MHz	MO	3M75G7D	10 W (ERP)	
1480.5 MHz	MO	3M75G7D	10 W (ERP)	

Frequency Information

MOBILE: Spaceport America, Truth or Consequence, NM, within 185 km, centered around NL 32-59-14; WL 106-58-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1445.5 MHz	MO	3M75G7D	2 W (ERP)	
1451.5 MHz	MO	3M75G7D	2 W (ERP)	
1462.5 MHz	MO	3M75G7D	2 W (ERP)	
1470.5 MHz	MO	3M75G7D	2 W (ERP)	
1480.5 MHz	MO	3M75G7D	2 W (ERP)	

MOBILE: Spaceport America, Truth or Consequence, NM, within 185 km, centered around NL 32-59-14; WL 106-58-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1445.5 MHz	MO	3M75G7D	8 W (ERP)	
1451.5 MHz	MO	3M75G7D	8 W (ERP)	
1462.5 MHz	MO	3M75G7D	8 W (ERP)	
1470.5 MHz	MO	3M75G7D	8 W (ERP)	

Frequency Information

MOBILE: Spaceport America, Truth or Consequence, NM, within 185 km, centered around NL 32-59-14; WL 106-58-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1480.5 MHz	MO	3M75G7D	8 W (ERP)	

MOBILE: Spaceport America, Truth or Consequence, NM, within 185 km, centered around NL 32-59-14; WL 106-58-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
123.275 MHz	MO	25K0A3E	16 W (ERP)	
123.45 MHz	MO	25K0A3E	16 W (ERP)	
123.525 MHz	MO	25K0A3E	16 W (ERP)	

Truth or Consequence, NM - NL 32-59-14; WL 106-58-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
123.275 MHz	FX	25K0A3E	50 W (ERP)	
123.45 MHz	FX	25K0A3E	50 W (ERP)	
123.525 MHz	FX	25K0A3E	50 W (ERP)	

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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) Experimental use is secondary to, and must not interfere with Flight Test operations. Licensee must coordinate with other users as necessary to minimize interference.
- (4) Operation is subject to prior coordination with AFTRCC.
- (5) Virgin Galactic, LLC must coordinate operations with the Spaceport America, Director of Aerospace Operations, who in turn, will coordinate with White Sands Missile Range (WSMR), through the WSMR spaceport liaison.
- (6) Avoid transmissions within 75 km of the two sites, VLA (NL 34-04-44; WL 107-37-06) and the Pie Town, NM VLBA site (NL 34-18-04; WL 108-07-09) Virgin Galactic must coordinate activities with the Point of Contact for both sites: Dan "Mert" Mertely nrao-rfi@nrao.edu phone: (575) 835-7128
- (7) Operation is non-interference basis to current authorizations within radio line of sight.