Jason Vance, 21009 59th Pl. S., Kent, WA 98032,

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION

EXPERIMENTAL	WU9XLI
(Nature of Service)	(Call Sign)
XT MO	0729-EX-ST-2026
(Class of Station)	(File Number)

NAME Stoke Space Technologies, Inc.

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:
See attached description of experiment

Station Locations

(1) MOBILE: LV Stage 1 - Suborbital
Cape Canaveral Space Force Station (Pad CX-14), FL, centered around NL 28-29-29; WL 80-32-49

Frequency Information

MOBILE: LV Stage 1 - Suborbital
Cape Canaveral Space Force Station (Pad CX-14), FL, centered around NL 28-29-29; WL 80-32-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2366.5 MHz	MO	12M0G1D	17.5 W (ERP)	0.006 %
2383.5 MHz	MO	12M0G1D	17.5 W (ERP)	0.006 %

This authorization effective July 09, 2026 and
will expire 3:00 A.M. EST January 01, 2027

FEDERAL COMMUNICATIONS COMMISSION

Special Conditions:

(1) Operation in the 2025-2110 MHz, 2200-2290, and 2360-2395 MHz frequency bands for each launch conducted pursuant to this [STA / license] is only permitted after successfully completing required pre-launch coordination through NTIA?s Space Launch Frequency Coordination Portal; https://slfcp.ntia.gov/. Pre-launch coordination requests must be submitted to the portal at least 30 days prior to each anticipated launch date.

(2) Stop Buzzer POC: Jason Vance (530-848-3903), Nick Miller (360-927-3682)

(3) Prior to operations or testing, Stoke Space Technologies must coordinate with 1 ROPS Range Scheduling at (321)-853-5941 or email: 1ropschd@us.af.mil and provide a copy of their approved license with Stop Buzzer POC info to the 45th Space Wing Spectrum Management O??ice, (321)-853-8408, email: 45sw.erfmo@us.af.mil with Cc'ing DoD EAFC (321)-853-8426, email: 45sw.dodeafc@us.af.mil.

(4) NIB to airborne flight test telemetry. Stoke Space Technologies, Inc. shall successfully complete per-launch coordination with AFTRCC prior to initiating each launch event.

(5) Stoke Space Technologies, Inc. shall provide the initial disclosure for potential launch events to occur under this authorization to AFTRCC as soon as practicable, but no later than 60 days prior to the launch date including back-up dates. AFTRCC shall successfully complete per-launch coordination with AFTRCC via our portal at https://slcenter.aftrcc.org/coord-sl-login prior to initiating each launch event.

(6) All Stoke Space Technologies operations granted on an experimental basis are on an unprotected, non-interference basis to authorized federal stations. If any interference occurs, Stoke Space Technologies will be subject to immediate shut down. This STA will expire on 31 December 2026, or at the conclusion of the first flight of the Nova launch vehicle, whichever occurs first.

(7) All operations must be limited to telemetry, tracking and launch vehicle communications for the first flight of the Nova launch vehicle from CX-14 at Cape Canaveral, FL. This authorization is limited to launch and the associated pre-launch ground testing. Any requests for future test flights, further extensions, or future missions must submit new applications to the FCC to be coordinated with the NTIA and federal agencies.

(8) Transmissions authorized under this STA may be used only on the first stage of the Nova launch vehicle.

(9) Stoke Space Technologies should be aware that future requests to use links in the 2360-2395 MHz band may require deconfliction to avoid time overlap with NASA Artemis mission(s).

(10) Sixty (60) days prior to transmitting at Cape Canaveral, Stoke Space Technologies must coordinate and schedule all operations with Range Scheduling (1ropschd@us.af.mil, 321-853-5941) and Jamie Bjornbak (James.P.Bjornbak@nasa.gov, 321-867-6905, NASA KSC SMO), and provide a copy of the FCC license, any changes to the launch mission trajectory/telemetry data, and Stop Buzzer POC to the 45th Space Wing Spectrum Management Office, 321-853-8408, email: 45sw.erfmo@us.af.mil and DoD EAFC, 321-853-8426, email: 45sw.dodeafc@us.af.mil.

Special Conditions:

(11) As soon as possible, but no later than 60 business days prior to the planned launch, Stoke Space Technologies, Inc. is required to provide operations and spaceflight trajectories to the Naval Surface Warfare Center, Dahlgren Division (NSWCDD). At a minimum, NSWCDD/E3 requires frequencies, modulation types, data rates, transmitters' powers, and trajectories. Black Out Zones (BOZs) MAY be imposed, including but not limited to the following:

a.1500 nautical mile radius centered at 22N 160W;
b.1500 nautical mile radius centered at 33.25N 119.57W;
c.1500 nautical mile radius centered at 8.72N 167.73E;
d.1500 nautical mile radius centered at 57.46N 152.38W;
e.1500 nautical mile radius centered at 32.37N 106.47W;
f.1500 nautical mile radius centered at 57.34N 7.35W
g.Any radius and center coordinate dependent on DoW operations.

The final launch will ultimately determine which, if any BOZ will be implemented. The imposed BOZs SHALL be implemented by the licensee for the dates, times, and frequencies indicated in accordance with the conditions of the requester's license. As a user of these frequencies, the requester is responsible for deconflicting launches inside of any applicable BOZ windows, as these frequencies are granted on a not-to-interfere basis (NIB).

The primary contacts for frequency coordination:

h. Mr. James Moneyhon, (540) 653-3477, james.m.moneyhon.civ@us.navy.mil.
i. Mr. Matthew Dempsey, (540) 718-9212, matthew.c.dempsey3.civ@us.navy.mil.
j. Mr. Kenton Young, (717) 491-4726, kenton.d.young2.civ@us.navy.mil.
k. Mr. Michael Dewell, (540) 653-9512, michael.t.dewell.civ@us.navy.mil.
l. Mr. Eli Guzzone, (540) 653-6967, eli.e.guzzone.civ@us.navy.mil
m. Group email box - nswcdd.b51.ftma.spaceops@us.navy.mil.