

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

EXPERIMENTAL

(Nature of Service)

WA8XEW

(Call Sign)

XT FX MO

(Class of Station)

1282-EX-ST-2026

(File Number)

NAME Sine Advanced Engineering

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:

Evaluate resilient command, control, GPS-independent navigation and video for multiple unmanned aircraft.

Station Locations

- (1) Playas (HIDALGO), NM - NL 31-57-50; WL 108-31-05; MOBILE: Within Playas Training Area, Playas, NM, within 20 km, centered around NL 31-57-50; WL 108-31-05
- (2) Playas (HIDALGO), NM - NL 31-57-50; WL 108-31-05; MOBILE: Within Playas Training Area, Playas, NM, within 20 km, centered around NL 31-57-50; WL 108-31-05

Frequency Information

Playas (HIDALGO), NM - NL 31-57-50; WL 108-31-05; MOBILE: Within Playas Training Area, Playas, NM, within 20 km, cent

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
500-608 MHz	MO	500KG1D	2 W (ERP)	0.0002 %
614-950 MHz	MO	500KG1D	2 W (ERP)	0.0002 %

This authorization effective July 26, 2026 and
will expire 3:00 A.M. ET July 30, 2026

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Playas (HIDALGO), NM - NL 31-57-50; WL 108-31-05; MOBILE: Within Playas Training Area, Playas, NM, within 20 km, cent

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2150-2300 MHz	MO		2 W (ERP)	0.0002 %
2400-2650 MHz	MO	10M0G1D	2 W (ERP)	0.0002 %

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) Licensee must notify the Advanced Wireless Service licensees in the proposed areas prior to accessing to the frequencies from 2150 Mhz to 2200 Mhz.
- (4) Licensee must notify the Educational Broadband Service and Broadband Radio Service licensees in proposed areas prior to operation in the frequency range from 2496 MHz to 2650 MHz
- (5) Licensee must notify the 600 Megahertz Band licensees (Service Code: WT) in each proposed area prior to accessing to the frequency range from 614 MHz to 698 MHz.
- (6) All airborne transmissions must be limited to a maximum altitude of 400 feet above ground level (AGL).
- (7) The frequency band 608-614 MHz must be excluded from authorization in accordance with Footnote US246, which indicates that "no station shall be authorized to transmit" in the subject band.
- (8) All transmissions overlapping the 2290-2300 MHz band must be ground-based only
- (9) All operations in the 2200-2290 MHz band must be limited to line-of-sight only, and experimental station(s) must use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (10) Operations within part 90 bands must comply with all applicable rules under part 90, including, but not limited to, the requirements for protecting centralized trunked incumbents as specified in section 90.187.
- (11) Prior to commencing any operations in the 896-901 MHz and 935-940 MHz bands, the licensee must notify and provide Stop Buzzer contact to all 900 MHz licensees authorized for operation within the 896-901 MHz and 935-940 MHz band segments and located within 29 miles of the contours of the testing area.
- (12) Stop Buzzer Point of Contact: Benjamin Soanes, (915) 259-6548

Special Conditions:

- (13) Prior to commencing operations in the authorized frequency band(s), the licensee must notify the potentially affected licensees below. The notice must include the name and contact information of the stop buzzer personnel that will be available to cease operations in the event of reported interference. The notification should also include the testing parameters (e.g., specific location(s), frequency bands, antenna gain(s), antenna height(s), antenna orientation, EIRP, EIRP density) and day and times of each test.

Frequency Bands: 310-508 MHz (UHS) 820-1280 MHz ((Earth-to-space)
2000-4000 MHz (S-band) (Call sign S3213)

Frequency Bands: 2482.710675-2483.424 MHz (E-s) (Call sign S3182)

Licensee: Spire Global, Inc. Phone Number: 415-356-3400

ATTN: Ms Francisca Adeuyi E-Mail: francisca.adeuyi@spire.com

Frequency Bands: 698-716 MHz (Earth-to-space) 728-746 MHz (space-to-Earth)
758-768 MHz (space-to-Earth) 788-798 MHz (Earth-to-space)

824-849 MHz (Earth-to-space) 869-894 MHz (space-to-Earth) (Call sign S3065)

Licensee: AST&Science LLC. Phone Number: 432-276-3966

ATTN: Abel Avellan E-Mail: Barbee.Ponder@Globalstar.com

Frequency Bands: 845.1-845.3MHz, 890.1-890.3 MHz (s-E) (Call sign S3087)

Licensee: Lynk Global, Inc. Phone Number: 571-213-4827

ATTN: Michael McMenamin, E-Mail: mmcmenamin@lynk.world

Frequency Bands: 902-906 MHz (E-s) 2400-2483.5 MHz (s-E and E-s) (Call sign S3072)

Frequency Bands: 840-1400 MHz 2200-2290 MHz (Call sign S3170)

Frequency Bands: 2200-2290 MHz (Call sign S3184)

Licensee: Loft Orbital Solutions Inc. Phone Number: 410-382-5050

ATTN: Alex Greenberg E-Mail: alex@loftorbital.com

Frequency Bands: 2180-2200 MHz (Call sign E070272, S2651)

Licensee: DBSD Services Limited Phone Number: 202-293-1216

ATTN: Ms. Allison Minea, E-Mail: alison.minea@dish.com

Frequency Bands: 2200-2290 MHz (space-to-Earth) (Call sign S3032)

Licensee: BlackSky Global LLC Phone Number: 203-815-4378

ATTN: Ms Jenifer Lamie E-Mail: jlamie@blacksky.com francisca.adeuyi@spire.com

Frequency Bands: 2200-2290 MHz (space-to-Earth) (Call sign S3042)

Licensee: HawkEye 360, Inc. Phone Number: 571-203-0360

ATTN: Mr. Michael Mineiro E-Mail: michael.mineiro@he360.com

Frequency Bands: 2200-2290 MHz (Call sign S3084, S3201)

Licensee: Intuitive Machines Phone Number: 202-373-6140

ATTN: Mr. David Pattillo E-Mail: dpattillo@intuitivemachines.com

Frequency Bands: 2200-2290 MHz (Call sign S3186, S3220)

Licensee: Umbra Lab Inc Phone Number: 805-270-5069

ATTN: Ms Iulia Davies E-Mail: iulia.davies@umbra.space

Frequency Bands: 2200-2290 MHz (Call sign S3204)

Special Licensee: Vast Space LLC Phone Number: 310-220-0300
ATTN: Mr Brad Powell E-Mail: brad@vastspace.com

Frequency Bands: 2200-2290 MHz (Call sign S3206)
Licensee: Blue Origin, LLC Phone Number: 253-437-9300 x19758
ATTN: Nicole Walters E-Mail: nwalters@blueorigin.com

Frequency Bands: 2200-2290 MHz (Call sign S3208)
Licensee: Albedo Space Corp. Phone Number: 626-500-8977
ATTN: Dr Kevin W Kloster E-Mail: kevin@albedo.com

Frequency Bands: 2200-2290 MHz (Call sign S3216)
Licensee: Space Exploration Holdings, LLC, Phone Number: 202-649-2700
ATTN: Mr David Goldman, E-Mail: david.goldman@spacex.com

Frequency Bands: 2200-2290 MHz (s-E) (Call sign S00733)
Licensee: Venturi Astrolab, Inc. Phone Number: 323-675-0266
ATTN: Mr. Kevin Drumm E-Mail: kevin@astrolab.space

Frequency Bands: 2200-2290 MHz (s-E) (Call sign S00739)
Licensee: Space Logistics, LLC Phone Number: 703-406-5000
ATTN: Mr. Joseph Anderson E-Mail: Joseph.Anderson@orbitalatk.com

Frequency Bands: 2200-2290 MHz (s-E) (Call sign S00770)
Licensee: Katalyst Space Technologies Phone Number: 9283517544
ATTN: Mr. Andrew Sabovik E-Mail: andrew.sabovik@katalystspace.com

Frequency Bands: 2482.710675-2483.424 MHz (Call sign S3212, S3182)
Licensee: Hubble Network Inc Phone Number: 610-308-4638
ATTN: Abraham Marciano E-Mail: abe@hubblenetwork.com

Frequency Bands: 2483.5-2500 MHz(s-E) (Call sign S2115)
Licensee: Globalstar Licensee LLC, Phone Number: 985-335-1503
ATTN: L. Barbee Ponder IV, E-Mail: Barbee.Ponder@Globalstar.com