

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION

EXPERIMENTAL
(Nature of Service)

XT MO
(Class of Station)

WA8XFL
(Call Sign)

1386-EX-ST-2026
(File Number)

NAME MISSION CONTROL NORTH AMERICA, 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:
Remote video and communications at live event entertainment production.

Station Locations
(1) MOBILE: Rock Lititz, Lititz PA, within 0.1 km, centered around NL 40-10-27; WL 76-18-47

Frequency Information

MOBILE: Rock Lititz, Lititz PA, within 0.1 km, centered around NL 40-10-27; WL 76-18-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
450-451 MHz	MO	7K60F1D 11K5F3E	4 W (ERP)	
455-456 MHz	MO	7K60F1D 11K5F3E	4 W (ERP)	

This authorization effective August 12, 2026 and
will expire 3:00 A.M. ET August 25, 2026

FEDERAL
COMMUNICATIONS
COMMISSION



Frequency Information

MOBILE: Rock Lititz, Lititz PA, within 0.1 km, centered around NL 40-10-27; WL 76-18-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
461.0375 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	
461.0625 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	
461.0875 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	
461.1125 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	
461.1375 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	
461.1625 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	
461.1875 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	
461.2125 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	

Frequency Information

MOBILE: Rock Lititz, Lititz PA, within 0.1 km, centered around NL 40-10-27; WL 76-18-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
461.2375 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	
461.2625 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	
461.2875 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	
461.3125 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	
461.3375 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	
461.3625 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	
462.7625 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	
462.7875 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	

Frequency Information

MOBILE: Rock Lititz, Lititz PA, within 0.1 km, centered around NL 40-10-27; WL 76-18-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
462.8125 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	
462.8375 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	
462.8625 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	
462.8875 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	
462.9125 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	
464.4875 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	
464.5125 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	
464.5375 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	

Frequency Information

MOBILE: Rock Lititz, Lititz PA, within 0.1 km, centered around NL 40-10-27; WL 76-18-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
464.5625 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	
466.0375 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	
466.0625 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	
466.0875 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	
466.1125 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	
466.1375 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	
466.1625 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	
466.1875 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	

Frequency Information

MOBILE: Rock Lititz, Lititz PA, within 0.1 km, centered around NL 40-10-27; WL 76-18-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
466.2125 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	
466.2375 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	
466.2625 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	
466.2875 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	
466.3125 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	
466.3375 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	
467.8625 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	
467.8875 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	

Frequency Information

MOBILE: Rock Lititz, Lititz PA, within 0.1 km, centered around NL 40-10-27; WL 76-18-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
467.9125 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	
469.4875 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	
469.5125 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	
469.5375 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	
469.5625 MHz	MO	7K60F1D 11K5F3E	2 W (ERP)	
2290-2305 MHz	MO	10M0D7W	1 W (ERP)	
2395-2405 MHz	MO	10M0D7W	1 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) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at <http://sbe.org/resources/frequency-coordination/> to find the appropriate coordinator.

Special Conditions:

- (3) Operations within 47 CFR 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.
- (4) Prior to commencing operations in the authorized frequency band(s), the experimental 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: 449.75-450.25 MHz (Call sign S2912)
Licensee: Planet Labs PBC Phone Number: 202-221-5402
ATTN: Mr. Danielle Pineres E-Mail: compliance@planet.com

Frequency Bands: 449.75-450.25 MHz (E-s) (Call sign S2946, S3045)
Licensee: Spire Global, Inc. Phone Number: 415-356-3400
ATTN: Ms Francisca Adeuyi E-Mail: francisca.adeuyi@spire.com

Frequency Bands: 449.75-450.25 MHz (Earth-to-space) (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: 449.75-450.25 MHz (Call sign S3072, S3184, S3170)
Licensee: Loft Orbital Solutions Inc. Phone Number: 410-382-5050
ATTN: Alex Greenberg E-Mail: alex@loftorbital.com

Frequency Bands: 449.75-450.25 MHz (Call sign S3159, S3174)
Licensee: Outpost Technologies Corporation Phone Number: 424-276-0754
ATTN: Ms. Vanessa Kuroda E-Mail: vanessa@outpost.space

Frequency Bands: 310-508 MHz, 2000-4000 MHz (Call sign S3213)
Licensee: Spire Global, Inc. Phone Number: 415-356-3400
ATTN: Ms Francisca Adeuyi E-Mail: francisca.adeuyi@spire.com