

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

EXPERIMENTAL

(Nature of Service)

XT FX MO

(Class of Station)

WY9XTA

(Call Sign)

0995-EX-ST-2026

(File Number)

NAME Astrobotic

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:

The Cesium radio will communicate the capabilities of a lunar rover and its payloads on the South Pole as part of Griffin Mission 1.

Station Locations

- (1) Pittsburgh (ALLEGHENY), PA - NL 40-27-01; WL 80-01-12
- (2) MOBILE: Indoors very close to the fixed antenna, within 0.03 km, centered around NL 40-27-01; WL 80-01-12

Frequency Information

Pittsburgh (ALLEGHENY), PA - NL 40-27-01; WL 80-01-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2249.125-2250.875 MHz	FX	1M75M1D	8.3 W (ERP)	6.3E-7 %
		1M75M1D		

This authorization effective July 14, 2026 and
will expire 3:00 A.M. EST November 20, 2026

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Indoors very close to the fixed antenna, within 0.03 km, centered around NL 40-27-01; WL 80-01-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2249.125-2250.875 MHz	MO	1M75M2D	8.3 W (ERP)	6.3E-7 %

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) Astrobotic should be aware that all future operation in the lunar region should first be coordinated through NASA's Lunar Spectrum Management Portal (LSMP, www.nasalsmp.org) prior to submitting any requests for authorization.
- (3) Astrobotic should be aware that use of the 2200-2290 MHz band in the lunar vicinity is through a lunar orbiting relay network, and Astrobotic should not automatically assume that the technical information requested in this STA (e.g., frequencies, bandwidths, protocol, modulation, etc.) will be possible in the lunar region.
- (4) The designated point-of-contact to terminate transmissions if interference occurs is John Scalzo at (225) 235-8343.