

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

EXPERIMENTAL

(Nature of Service)

WR9XQO

(Call Sign)

XT MO

(Class of Station)

0178-EX-ST-2021

(File Number)

NAME University of Arizona Lunar and Planetary Laboratory - TAPIR Lab

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 purpose of the operation is to measure the thickness of glaciers in southern Alaska with an airborne radar. The antenna will be airborne while transmitting, flights would be draped over

Station Locations

- (1) MOBILE: McCarthy, Alaska 1000 ft AGL, within 800 km, centered around NL 61-26-00; WL 142-55-00
- (2) MOBILE: McCarthy, Alaska 1000 ft AGL, within 800 km, centered around NL 61-26-00; WL 142-55-00

Frequency Information

MOBILE: McCarthy, Alaska 1000 ft AGL, within 800 km, centered around NL 61-26-00; WL 142-55-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1.65-3.75 MHz	MO	2M10Q3N	600 W (ERP)	

This authorization effective March 15, 2021 and
will expire 3:00 A.M. EST June 11, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: McCarthy, Alaska 1000 ft AGL, within 800 km, centered around NL 61-26-00; WL 142-55-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.5-7.5 MHz	MO	5M00Q3N	600 W (ERP)	

Special Conditions:

- (1) 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.
- (2) University of Arizona must notch out the following spot frequencies:

2014.5 kHz, 2016 kHz, 2017.5 kHz, 2038.5 kHz, 2040 kHz, 2042.5 kHz, 2054 kHz, 2120.4 kHz, 2142.4 kHz, 2142.5 kHz, 2159.5 kHz, 2161 kHz, 2162.5 kHz, 2174.5 kHz, 2183.4 kHz, 2187.5 kHz, 2262.4 kHz, 2660.4 kHz, 2671.4 kHz, 2679.4 kHz, 3054.4 kHz, 3057.4 kHz, 3120.4 kHz, 3123.4 kHz, 4126.4 kHz, 4177.5 kHz, 4207.5 kHz, 4298 kHz, 4317.9 kHz, 4427.4 kHz, 4572.5 kHz, 4731.4 kHz, 4734.4 kHz, 4821 kHz, 4902 kHz, 4912 kHz, 4913.5 kHz, 4965 kHz, 5107 kHz, 5108 kHz, 5108.5 kHz, 5110 kHz, 5215.5 kHz, 5217 kHz, 5221.5 kHz, 5223 kHz, 5224.5 kHz, 5264.5 kHz, 5266 kHz, 5267.5 kHz, 5270.5 kHz, 5272 kHz, 5418 kHz, 5419.5 kHz, 5421 kHz, 5681.4 kHz, 5694.4 kHz, 5697.4 kHz, 5700.4 kHz, 5885 kHz, 5931 kHz, 5934 kHz, 5941 kHz, 5942.5 kHz, 5943.5 kHz, 5944 kHz, 6216.4 kHz, 6268 kHz, 6312 kHz, 6502.4 kHz, 6517.4 kHz, 6710.4 kHz, 6743.4 kHz, 6961 kHz, 7419.5 kHz, 7439 kHz, 7577 kHz, 7630.5 kHz, 7669.5 kHz, 7736 kHz, 7743 kHz, 7747 kHz, 7775 kHz, 7793 kHz, 7821 kHz

- (3) University of Arizona must notch out the following bands:
2.495 - 2.505 MHz, 2.850 - 3.025 MHz, 3.400 - 3.500 MHz, 4.650 - 4.700 MHz, 5.450 - 5.680 MHz, 6.525 - 6.685 MHz