

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

EXPERIMENTAL

(Nature of Service)

WR9XNM

(Call Sign)

XT MO

(Class of Station)

1524-EX-ST-2020

(File Number)

NAME University of Kansas CReSIS

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:

These flights will be a test flight to ascertain if the complete system is working prior to a full deployment in Alaska in March 2021.

Station Locations

- (1) MOBILE: over the runway at the airport, Crisfield. MD, within 1 km, centered around NL 38-01-05; WL 75-49-36

Frequency Information

MOBILE: over the runway at the airport, Crisfield. MD, within 1 km, centered around NL 38-01-05; WL 75-49-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2-8 GHz	MO	6G00G3N	100 W (ERP)	2 %

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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

This authorization effective January 29, 2021 and
will expire 3:00 A.M. EST April 02, 2021

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COMMISSION**



Special Conditions:

- (3) Frequency assignment(s) in the bands of 2360-2395 MHz must be coordinated prior to authorization with the DoD AFMO-US&P Area Frequency Coordinator (AFC), who also coordinates, as appropriate, with Aerospace and Flight Test Radio Coordinating Council. Use of these frequencies under the authority is subject to such further coordination with the AFC to ensure compatibility with existing users.
- (4) Operations are on a non-interference basis to Flight Test telemetry and Air Force Spectrum Dependent System
- (5) The applicant shall coordinate with the incumbent fixed microwave in the 2000-7125 MHz band in each corresponding proposed venue prior to conducting the testing.
- (6) For operations in the 2320-2345 band, applicant must obtain a written consent from earth station operators or remove this band. To request this consent, please contact: Douglas Ayerst, Principal Chief Engineer
Sirius XM
douglas.ayerst@siriusxm.com
954-571-4318
James Blitz, VP and Regulatory Counsel
Sirius XM
james.blitz@siriusxm.com
202-380-1383
- (7) As soon as possible but no later than 5 business days prior to any planned testing, University of Kansas CReSIS is required to notify the Air Force, Jimmy Nguyen (Email: jimmy.nguyen@us.af.mil) with the planned testing date/time/duration and stop buzzer POC. If planned testing conflicts with Air Force operations, additional evaluations and/or restrictions will be required.
- (8) The applicant shall notch the following frequencies:
 - a. 2200-2300 MHz
 - b. 2690-2900 MHz
 - c. 4990-5000 MHz
 - d. 5091-5150 Mhz
 - e. 5600-5650 MHz
- (9) The applicant must coordinate its operations in 3550-3700 MHz band with one or more authorized Spectrum Access System (SAS) administrators to obtain channel assignments and avoid causing harmful interference to authorized users of the band, including General Authorized Access (GAA) users.
- (10) With respect to operations in 3700-4200 MHz band, the applicant must avoid causing interference to existing Fixed Service operators and FSS earth stations in the band. For applicant's reference, a list of registered incumbent FSS earth stations in the band can be found at the following link:
<https://docs.fcc.gov/public/attachments/DA-20-823A2.xls>
- (11) Airborne operations in 3550-3700 MHz is prohibited due to an explicit airborne prohibition in our CBRS Service rules.
- (12) Airborne use in 2305-2310 MHz is prohibited due to an explicit airborne prohibition in Section 2.106 of our rules.
- (13) Prior to commencing any operations in WCS frequencies (2310-2320 MHz/2345-2360 MHz), the applicant must obtain consent from the WCS licensee (AT&T).