Professor John M. Morrison, 5600 Marvin K Moss Ln, Wilmington, NC 28409,

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION

EXPERIMENTAL	WJ2XDP
(Nature of Service)	(Call Sign)
XT MO	1943-EX-ST-2018
(Class of Station)	(File Number)

NAME University of North Carolina at Wilmington Center for Marine Science

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:
Operation of a secondary station in Svalbard to be used exclusively for emergency launch, early commissioning and backup in case the main TT&C station in Glasgow is not working.

Station Locations
(1) MOBILE: NGSO
(2) MOBILE: NGSO

Frequency Information

MOBILE: NGSO

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8100 MHz	MO	90M0G1D	1.99 W (ERP)	5 %

This authorization effective December 07, 2018 and
will expire 3:00 A.M. EST May 18, 2019

FEDERAL COMMUNICATIONS COMMISSION

Frequency Information

MOBILE: NGSO

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
400.725-400.825 MHz	MO	11K0G1D	0.5 W (ERP)	2.7 %

Special Conditions:

(1) Upon receipt of a conjunction warning from the JSpOC or other source, the licensee must review the warning and take all possible steps to assess and, if necessary, to mitigate collision risk, including, but not limited to: contacting the operator of any active spacecraft involved in such warning; sharing ephemeris data and other appropriate operational information with any such operator; modifying spacecraft attitude and/or operations.

(2) The occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

(3) Following launch of the satellite, the licensee must notify the FCC through electronic submission to the license file, of the status of the satellite (transmissions commenced, etc.), not later than 7 days after commencement or expected commencement of transmissions, and of termination of transmissions, not later than three months after such termination.

(4) The licensee shall provide the Commission with all information required for the Advance Publication, Coordination and Notification of frequency assignments pursuant to the International Radio Regulations. This includes the preparation of draft materials, to be provided to the Commission prior to submission to the International Telecommunication Union. The authorized operations require notification of frequency assignments pursuant to Article 11 of the ITU Radio Regulations. Licensee shall provide the FCC, not later than 30 days after a frequency assignment is brought into use, the documents required for notification (including SpaceCap Notification MDB file) of such frequency assignments. The licensee shall also prepare materials for informing the ITU that a frequency assignments has been brought into use, or that its use has been suspended or permanently discontinued.

(5) Seahawk-1 and Seahawk-2 CubeSat operations in the 400.725 - 400.825 MHz frequency band shall not occur when the NASA International Space Station (ISS) (NORAD designation 25544 or international spacecraft ID 1998-067A) is within the horizon to horizon view of the supporting ground station.

(6) POINTS OF COMMUNICATION: Seahawk-1 and Seahawk-2.