Ryan N. Terry, 2121 Crystal Drive, Suite 100, Arlington, VA 22202,

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION

EXPERIMENTAL	WS9XSW
(Nature of Service)	(Call Sign)
XT FX MO	1146-EX-ST-2021
(Class of Station)	(File Number)

NAME Lockheed Martin Corporation

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 Dodona 3U CubeSat will be dispensed as part of a D-Orbit InOrbit NOW (ION) launch service. The ION launch service is currently projected for a January 2022 launch from the Cape

Station Locations
(1) MOBILE: NONGEOSTATIONARY
(2) King of Prussia (MONTGOMERY), PA - NL 40-05-25; WL 75-24-01

Frequency Information

MOBILE: NONGEOSTATIONARY

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.5 MHz	MO	20K0F1D	0.93 W (ERP)	

This authorization effective January 10, 2022 and
will expire 3:00 A.M. EST July 11, 2022

FEDERAL COMMUNICATIONS COMMISSION

Frequency Information

King of Prussia (MONTGOMERY), PA - NL 40-05-25; WL 75-24-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.5 MHz	FX	20K0F1D	154 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) 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.

(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) POINT OF COMMUNICATION: Dodona CubeSat.

(5) Lockheed Martin CubeSat operation must meet the radiosonde long term protection criteria (Type C) in ITU-R recommendation RS.1263.

(6) Lockheed Martin ground station in will not transit RF signals during radiosonde flight time (120 minutes @ 0:00 UTC and 12:00 UTC)

(7) Lockheed Martin will not transmit uplink antenna main beam within a 30 degree horizontal sector around the direction of NOAA Sterling radiosonde site located at coordinates 38-58-36 N,077-38-28 W.

(8) Lockheed Martin must provide the following information (jeremiah.sullivan@noaa.gov):
a. The local time of ascending node value for the Dodona CubeSat orbit.
b. Notification of any changes to the launch date of the Dodona CubeSat.
c. Notification of any changes to the operational lifetime of the Dodona CubeSat.

(9) All operations are on a non-interference basis (NIB) and shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating stations. Lockheed Martin Corp. should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee will be subject to immediate shut down.

(10) Transmissions from the King of Prussia, PA earth station using a frequency of 401.5 MHz shall cease when the NASA International Space Station (NORAD designation 25544, International Spacecraft ID 1998-067A) is within view of the earth station.