

**REQUEST FOR EXTENSION OF EXPERIMENTAL
SPACE STATION PAYLOAD AUTHORIZATION
(FCC CALL SIGN WL2XOV)**

Lockheed Martin Corporation (“Lockheed Martin”) hereby seeks extension of its authority under Part 5 of the Federal Communications Commission’s rules (Call Sign WL2XOV) to conduct secondary payload experimental satellite operations of a cubesat in conjunction with the NASA Artemis mission.

The Artemis mission has been delayed and is currently projected for a launch not earlier than June 29, 2022, from the Kennedy Space Center. The Artemis mission includes multiple cubesat secondary payloads, including Lockheed Martin’s, that will be deployed in lunar vicinity; accordingly, Lockheed Martin does not control the launch date of the overall mission and respectfully requests extension of its current authority to ensure continued regulatory compliance.

The Commission previously authorized Lockheed Martin to conduct the Lunar InfraRed (“LunIR”) experimental program, which it will conduct in coordination with the National Aeronautics and Space Administration (“NASA”) under Contract No. NNH16CO94C. The system is comprised of one (1) satellite.

Following close coordination with multiple Federal government stakeholders, Lockheed Martin’s authorization was issued to include several Special Conditions related to the operation of the LunIR spacecraft. Lockheed Martin confirms that it will comply with all the Special Conditions, including the requirement to notify the United States Air Force of the deployment of the spacecraft and initiation of operations.

Extension of the subject authorization is unquestionably in the public interest. The spacecraft will capture IR images of the Lunar surface and downlink those images to Earth in the X-band. Mission data will be key to fill NASA lunar, Mars, and deep space Strategic Knowledge Gaps.