

Exhibit 1

L3Harris Technologies, Inc. ("L3Harris") hereby requests an experimental authorization to operate an experimental S-band ground terminal located in Palm Bay, Florida to support communications with a LEO earth observation satellite (~500km altitude at 50 degrees inclination). The proposed ground terminal will provide Telemetry Tracking & Command data to the LEO satellite and will receive image sensor data from the LEO satellite, and will be used in connection with a U.S. Government contract. The normal concept of operations (CONOPS) will be in support of initialization testing after launch for approximately two months, followed by ongoing operations testing for up to 3 10-minute periods each day.

The contract is sensitive, and as a result, the Government has only authorized L3Harris to provide the following portion of the contract number: **XXXXXX-20-C-0221**. The full contract number may not be necessary for Commission review, but should the Commission seek additional information about the contract, please contact L3Harris and we will coordinate with our Government customer as appropriate.

L3Harris has successfully pre-coordinated operations from the experimental S-band ground terminal with its U.S. Government customer regarding the proposed application for use of this terminal for this purpose. L3Harris has also successfully coordinated proposed operations with the SBE Frequency Coordinator - Central Florida.

The terminal will consist of a TCS 4.2m S-band reflector mounted on an XY positioner capable of pointing at any elevation 10 degrees above the horizon at any azimuth.

L3Harris will not cause harmful interference to any stations operating in accordance with the Table of Frequency Allocations and will use its best efforts to avoid and mitigate any issues that may arise.

Because the equipment is technically incapable of providing station identification, L3Harris respectfully requests a waiver of the station identification provisions of Section 5.115 of the Commission's rules, 47 C.F.R. § 5.115.

All network traffic will be simulated traffic only, solely for evaluation purposes and not for the purpose of providing network data communications services to user stations.

L3Harris submits that a grant of this experimental license request is necessary and in the public interest as it is anticipated that it will lead to commercial sensor improvements for earth sensing.

The **stop buzzer contact** for this project is Michael Algase - Chief Engineer (Office: 585-269-6765; Mobile: 585-455-8860), e-mail: Michael.Algase@L3Harris.com.