

**L3HARRIS TECHNOLOGIES, INC.
EXPERIMENTAL STA REQUEST
FILE NO. 0039-EX-ST-2021**

**EXHIBIT I – REQUEST FOR EXPERIMENTAL
SPECIAL TEMPORARY AUTHORITY**

L3Harris Technologies, Inc. ("L3Harris") hereby requests FCC experimental Special Temporary Authority ("STA") for the period of March 8, 2021 to September 8, 2021 to conduct experimental testing utilizing unlicensed spectrum in the 2.4 GHz band to receive transmissions at a ground station in Daytona Beach, FL from the ISS to evaluate the feasibility of 3-D printing of RF circuits for space systems.

The proposed transmissions from the ISS to the Daytona Beach, FL ground station will only occur periodically. The radiating transmitter will be in off mode the majority of time, however it will be activated for a few minutes when a line of sight is established over the ground station. Data will be taken as the ISS flies over the ground station and then it will be turned off. It is estimated to be turned on once a day if the ISS is over the ground station.

L3Harris believes that no interference issues will arise from the experimental testing. However, to the extent necessary, L3Harris will utilize its best efforts to avoid and minimize any potential interference.

The **stop buzzer contact** for this project is Jeffrey Buell, MISSE Lead Operator at Alpha Space, tel: 832-915-5405. Email – Jeffrey.buell@alphaspace.com