L3HARRIS TECHNOLOGIES, INC.
EXPERIMENTAL STA REQUEST
FILE NO. 1722-EX-ST-2020

EXHIBIT I - DESCRIPTION OF EXPERIMENT

L3Harris Technologies, Inc. ("L3Harris") hereby requests FCC experimental Special Temporary Authority ("STA") to test waveforms and conduct equipment validation testing to verify the equipment performs as designed in specific terrain and soil conditions. The proposed testing will utilize the frequency ranges[1] of 420-449 MHz, 460-470 MHz, 800-810 MHz, 2000-2010 MHz, 4.3-4.5 GHz, 4.6-4.7 GHz, and 4.8-4.99 GHz and will occur at an L3Harris facility within the confines of TSTC Waco Airport within a 5 kilometer radius[2] of the following coordinates: 31-38-08 NL; 097-05-08 WL.

L3Harris acknowledges that all experimental operations conducted in the requested bands will be on a non-interference basis. L3Harris believes that no interference issues will arise from the testing. However, to the extent necessary, L3Harris will utilize its best efforts to avoid and minimize any potential interference. Further, L3Harris will coordinate as necessary with the FCC licensee(s) in the frequency bands requested herein.

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 request is necessary and in the public interest because it will advance national security efforts by contributing and assisting in the further development of communications equipment utilized by the U.S. Armed Forces.

The **stop buzzer contact** and POC on site for this project is Tony Full, Engineer at L3Harris, tel: 585-354-0614. Email – tony.full@l3harris.com.

[1] L3Harris acknowledges there may be required frequency notch outs within select frequency ranges.
[2] The associated air test asset will be operating at 10,000ft within 5k of the test site