

**L3HARRIS TECHNOLOGIES, INC.
FCC FORM 442 EXPERIMENTAL
LICENSE REQUEST
FILE NO. 0573-EX-CN-2020**

EXHIBIT I - DESCRIPTION OF EXPERIMENT

L3Harris Technologies, Inc. ("L3Harris") hereby requests an FCC experimental authorization at its facility located in Palm Bay, Florida to support testing of a replacement communications system provided by L3Harris in order to demonstrate waveform compatibility of equipment manufactured by two independent contractors. The testing will allow L3Harris to provide confirmation to its government sponsor of such waveform compatibility prior to final NTIA/AMSO authorization.

L3Harris¹ had previously received experimental STA for the testing requested herein under FCC File Nos. 0636-EX-ST-2019 and 0206-EX-ST-2020 (Call Sign WO9XIY), the latter of which is slated to expire on September 3, 2020. Owing to unforeseen delays L3Harris hereby seeks a regular 12 month experimental authorization to continue the necessary testing.

Testing will be conducted on the frequency range of 21.135-21.195 GHz. L3Harris believes there will be no frequency interference concerns. However, L3Harris acknowledges that all transmissions will be on a non-interference basis and will adhere to any conditions placed on the Authorization. The conditions placed on the underlying STA for the testing were:

- (1) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.*
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.*

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.

The **stop buzzer contact** for this project is Andrew Cisar at L3Harris, tel: 321-271-6466, e-mail: acisar@L3harris.com.

¹ STA was originally obtained under the name Harris Corporation. A name change request to L3Harris Technologies, Inc. was included with the last STA extension under File No. 0206-EX-ST-2020.