

**L3HARRIS TECHNOLOGIES, INC.
EXPERIMENTAL LICENSE REQUEST
FILE NO. 0955-EX-CN-2019**

DESCRIPTION OF EXPERIMENT

L3Harris Technologies, Inc. ("L3Harris") hereby requests an FCC experimental authorization to conduct experimental testing of a radar antenna system at its facility located in Santa Clarita, California ("Loop Canyon") on the frequencies of 2700 MHz, 2800 MHz, and 2900 MHz.

L3Harris has coordinated usage on the requested frequencies for the Loop Canyon facility with the Federal Aviation Administration ("FAA") which concurred to the frequency usage on October 2, 2019. Copies of the FAA issued coordination summaries are attached hereto.

2700 MHz – FAA Coordination No.	NG T190711
2800 MHz – FAA Coordination No.	NG T190712
2900 MHz – FAA Coordination No.	NG T190713

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 an experimental authorization is necessary and in the public interest because it will facilitate advancements to radar antenna systems.

The **stop buzzer contact** for this project is Mr. Edward Skaar, tel: (949)307-9547 e-mail: Edward.Skaar@L3Harris.com. An alternate number is to L3Harris Security office which is manned 24/7. (818)988-2600, extension 0.

FAA Coordination Summary Data**TRK 190662 (NG T190711) Summary**

Attribute	Record Parameter
Serial Number	NG T190711
Frequency	M2700.0000
City	SANTA CLARITA
State	CA
Transmitter Radius	1
Transmitter Latitude	342111.00N
Transmitter Longitude	1182501.00W
Antenna Height	0015
Receiver Latitude	342111.00N
Receiver Longitude	1182501.00W
Service Type	
Equipment Type	C,SCI 12-2.6
Antenna Type	HORN
Flight Level	
Runway Number	

TRK 190663 (NG T190712) Summary

Attribute	Record Parameter
Serial Number	NG T190712
Frequency	M2800.0000
City	SANTA CLARITA
State	CA
Transmitter Radius	1
Transmitter Latitude	342111.00N
Transmitter Longitude	1182501.00W
Antenna Height	0015
Receiver Latitude	342111.00N
Receiver Longitude	1182501.00W
Service Type	
Equipment Type	C,SCI 12-2.6
Antenna Type	HORN
Flight Level	
Runway Number	

TRK 190664 (NG T190713) Summary

Attribute	Record Parameter
Serial Number	NG T190713
Frequency	M2900.0000
City	SANTA CLARITA
State	CA
Transmitter Radius	1
Transmitter Latitude	342111.00N
Transmitter Longitude	1182501.00W
Antenna Height	0015
Receiver Latitude	342111.00N
Receiver Longitude	1182501.00W
Service Type	
Equipment Type	C,SCI 12-2.6
Antenna Type	HORN
Flight Level	
Runway Number	