

**HARRIS CORPORATION
EXPERIMENTAL STA REQUEST
FILE NO. 0636-EX-ST-2019**

EXHIBIT I - DESCRIPTION OF EXPERIMENT

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

Testing will be conducted on the frequency range of 21.135-21.195 GHz. Harris believes there will be no frequency interference concerns. However, Harris acknowledges that all transmissions will be on a non-interference basis and will adhere to any conditions placed on the Special Temporary Authorization.

Because the equipment is technically incapable of providing station identification, Harris 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 Harris, tel: 321-271-6466, e-mail: acisar@harris.com.