

**HARRIS CORPORATION
EXPERIMENTAL LICENSE APPLICATION
FILE NO. 0312-EX-PL-2010
JULY 2010**

EXHIBIT I

DESCRIPTION OF EXPERIMENT

Harris Corporation ("Harris") hereby requests an FCC experimental license to conduct experimental testing of the equipment identified herein to test a new, experimental, HF wideband waveform that is intended to operate at either 12 kHz bandwidth or 24 kHz bandwidth to allow faster data transfer via HF communications. Testing will be conducted at Harris facilities located in Rochester, New York, Oneida, New York, Palm Bay, Florida, and Las Cruces, New Mexico. Harris is currently conducting the experimental testing referenced herein pursuant to Special Temporary Authority ("STA") granted on February 2, 2010 (Call Sign: WE9XFP; File No. 0020-EX-ST-2010). Pursuant to Section 5.61(b) of the FCC rules, 47 C.F.R. § 5.61(b), this application for permanent authorization is being filed within fifteen (15) days of the STA expiration date. Harris intends to continue the critical experimental testing as authorized by the STA pending disposition of this permanent authority application.

To allow testing over various HF propagation conditions, a number of frequencies between 3.0 and 15 MHz have been selected. All network traffic resulting from this testing will be simulated traffic only, solely for evaluation purposes and not for the purpose of providing network data communications services to user stations.

Harris believes that no harmful interference to any incumbent licensees which may be operating on these frequencies will occur. However, to the extent necessary, Harris will use its best efforts to avoid and minimize any potential interference and acknowledges that its operations will be on a non-interference basis.

Harris understands that the Special Condition as granted in the STA will be applicable to the permanent authorization, namely: **2)** 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.

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.

Harris submits that a grant of this application is necessary and in the public interest because it will advance HF wideband waveform development.

The **stop buzzer contact** for this project is Marcelo De Risio at Harris, tel: (585) 241-8416, mobile: (585) 978-0754, e-mail: MDeRisio@harris.com