

**HARRIS CORPORATION**  
**EXPERIMENTAL LICENSE APPLICATION**  
**FILE NO. 0521-EX-PL-2014**  
**JULY 2014**

**REVISED EXHIBIT I - DESCRIPTION OF EXPERIMENT**

Harris Corporation ("Harris") hereby requests an FCC experimental license to conduct testing and military observed on air demonstrations of a HF Wideband waveform utilizing the Harris Mdl. RF 7800-H Tactical Radio System operating at 24 kHz bandwidth to allow faster data transfer via HF communications. To allow testing over various HF propagation conditions, a number of frequencies between 6 and 22 MHz have been selected.<sup>1</sup> This request is seeking permanent experimental authority to conduct testing and military observed on air demonstrations at a power level of 1.0 kilowatt at the following primary locations:

\*ROCHESTER, NY (HARRIS CAMPUS)

\*FAYETTEVILLE, NC (FT. BRAGG MILITARY BASE AREA)

\*COLORADO SPRINGS, CO (FT. CARSON MILITARY BASE AREA)

\*MARY ESTHER, FL (USSOCOM)

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.

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

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<sup>1</sup> Harris is authorized on the majority of these frequencies at the requested locations (See File No. 0080-EX-ML-2013 for Rochester, NY, Fayetteville, NC & Colorado Springs, CO; and File No. 0522-EX-ST-2014 for Mary Esther, FL) at an ERP of 150.0 watts.