

HARRIS CORPORATION  
EXPERIMENTAL STA APPLICATION  
FILE NO. 0081-EX-ST-2015

**EXHIBIT I – REQUEST FOR SPECIAL TEMPORARY AUTHORITY**

Harris Corporation ("Harris") hereby requests Special Temporary Authority 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> Any transmissions on the noted frequencies will be of short duration. This request seeks STA to conduct testing and military observed on air demonstrations at a power level of 1.0 kilowatt in Anchorage, Alaska (Ft. Richardson Military Base Area).

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](mailto:MDeRisio@harris.com)

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<sup>1</sup> Harris is authorized on all but three of these frequencies at the requested location (See File No. 0303-EX-RR-2014) at an ERP of 150.0 watts. This request seeks authorization for an increase in power to 1.0 kilowatt, in addition to adding the frequencies 18200 kHz, 19400 kHz, & 20800 kHz.