

**HARRIS CORPORATION
EXPERIMENTAL STA APPLICATION
FILE NO. 0441-EX-ST-2016**

EXHIBIT 1 - REQUEST FOR SPECIAL TEMPORARY AUTHORITY

Harris Corporation ("Harris") hereby requests Special Temporary Authority ("STA") to conduct testing and military observed on air demonstrations of a HF Wideband waveform utilizing the Harris Mdl. RF 7800-H radio operating at 24 kHz bandwidth to allow faster data transfer via HF communications. The on air demonstrations and testing will be held for the U.S. Marine Corp and U.S. Navy and will be conducted at locations in Kaneohe, Hawaii (Kaneohe Bay Marine Corp Base), Coronado, California (Point Loma Naval facility), and Monterey, California (Monterey Naval facility).

To allow testing over various HF propagation conditions, a number of frequencies between 6 and 22 MHz have been selected.¹ Any transmissions on the noted frequencies will be of short duration. 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. Harris further recognizes that if any interference to existing licensed stations occurs, any transmissions 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.

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.

Harris submits that a grant of an experimental STA is necessary and in the public interest because it will 1) advance HF wideband waveform development and 2) it will advance national security efforts by providing technologically advanced radio equipment to US troops abroad.

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

¹ Harris has obtained similar authority under STA File Nos. 1330-EX-ST-2015, 0881-EX-ST-2015, and 0784-EX-ST-2014.