

**HARRIS CORPORATION
EXPERIMENTAL STA APPLICATION
FILE NO. 0527-EX-ST-2018**

EXHIBIT 1 - DESCRIPTION OF EXPERIMENT

Harris Corporation ("Harris") hereby requests experimental Special Temporary Authority ("STA") for a six month period to perform ongoing critical testing, demonstration, and experiments in conjunction with the United States Air Force.

Usage on the frequencies requested herein have been successfully coordinated with the Military Advisory Group "MAG" which concurred to said frequency usage on March 23, 2018.

William R. Whittington, GS-15, DAF
Chair, Military Advisory Group
Ft Meade, MD 20755
(301) 225-3744 DSN (375)
Cell: 571-438-1282

MAG noted the following coordination requirements for the specified locations:

Holloman AFB: Operations must be scheduled and de-conflicted with the WSMR Range Mission through the appropriate sponsor. For critical testing, demonstration, and experiments in conjunction with the USAF, the sponsor is the 586FLTS Det 1 office.

Yuma: Operations must be coordinated with the Spectrum Management Office, US Army Yuma Proving Ground, ph: 928-328-7144 prior to any intended use. Note that use is not ensured for any time period due to scheduled and ongoing testing or training activities within the YPG area.

Denver: no requirements

Harris will coordinate pursuant to these requirements and any subsequent requirements placed on an FCC STA authorization.

All experimental testing will be conducted in conjunction with the development of equipment utilized by US Military forces. Accordingly, the applicable POC/Contract information is provided below.

Applicable Government Contract(s) and POC:

ROBERT "BRUSH" MOORE, Maj, USAF
SAF/CIO A6CW
Chief, Airborne Warfighter Integration
1800 Air Force Pentagon, Rm 4D755
Washington DC 20330-1800
DSN: 312-225-6699
COMM: 703-695-6699
CELL: 516-353-1423

Contracts: H92222-12-D-0001, H92222-15-D-0031, & H92222-17-D-0021

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 this STA request is necessary and in the public interest because it will advance national security efforts by contributing and assisting in the further development of communications equipment utilized by the U.S. Armed Forces.

The **stop buzzer contact** for this project is Bruce Murphy, Engineer at Harris, tel: 585-242-4389, mobile: 585-281-9609, e-mail: bmurph05@harris.com.