

**HARRIS CORPORATION
EXPERIMENTAL STA APPLICATION
FILE NO. 0300-EX-ST-2008
June 2008**

DESCRIPTION OF EXPERIMENT

Consolidated Response to Questions 4 and 5.

Harris Corporation ("Harris") hereby requests Special Temporary Authority ("STA") to conduct experimental testing of there equipment identified herein in an effort to develop a new family of radio communications equipment for use by Military, Government, and Public Safety organizations (both US and Allies). Customers in these organizations, particularly in our military forces, have expressed dire needs for communication systems that exhibit high performance at a price significantly lower than that which is provided by technologies currently available for use in these environments. This equipment that is planned for development will be based on the emerging Wireless Metropolitan Area Network (MAN) technology that is standardized in the IEEE 802.16-2004 and 802.16e-2005 standards, with implementations certified by the WiMAX forum.

Harris proposes to use the commercially-available equipment identified herein, which has features similar to the intended product, and to perform tests to evaluate its performance characteristics. The purpose of the test program is to aid in the establishment of product requirements and features to be incorporated into the planned product offering. Currently available products are designed to operate in domestic or international licensed bands. Although the identified equipment closely matches anticipated product characteristics, a design modification will be required in a future final product design phase to change the operating frequency band. Therefore, this STA application will not lead to an application for operation in the identified band.

Given the low ERP proposed herein, Harris believes that no harmful interference to incumbent licensees will occur. However, to the extent necessary Harris will use its best efforts to avoid and minimize interference.

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 advance the national security efforts identified above.

The **stop buzzer contact** for this project is Edward W. Jackson, Systems Engineer at Harris, tel: (585) 242-3308, mobile: (716) 870-9423, e-mail: edward.jackson@harris.com