

HARRIS CORPORATION
EXPERIMENTAL SPECIAL TEMPORARY
AUTHORITY APPLICATION
2.4 GHz EXPERIMENT
CAMBRIDGE, MARYLAND
JUNE 2005

DESCRIPTION OF EXPERIMENT

The proposed experiment is the exact same as that authorized in File Number 0759-EX-ST-2004 (call sign WC9XBY), with the exception that the applicant, Harris Corporation ("Harris") no longer proposes operating in the frequency range 2451-2473 MHz. Rather, Harris's proposed operations will be limited to the 2421-2443 MHz band. Limiting the range of frequency operation will avoid the need to coordinate with the Society of Broadcast Engineers because there is no potential for interference to broadcast operations.

In addition, limiting Harris's operations to this frequency range should mitigate any concerns that the National Telecommunications and Information Administration has with the proposed experiment. The long-term goal remains for the experiments to be migrated to government spectrum. However, the manufacture and operation of encrypted frequency conversion devices for use on government frequencies, such as the 1.8 GHz band, is not available currently, and probably will not be available until several more years of testing and development are completed.