

HARRIS CORPORATION
EXPERIMENTAL LICENSE APPLICATION
FILE NO. 0338-EX-PL-2012
June 2012

EXHIBIT I - DESCRIPTION OF EXPERIMENT

Harris Corporation ("Harris") hereby requests an FCC experimental authorization license to conduct experimental testing and demonstrations of a 4G cellular wireless communications network utilizing the frequencies of 749-787 MHz, 1710-1755 MHz, and 2110-2155 MHz. Testing will occur at specified Harris locations in Florida and New York, and demonstrations will occur at various customer locations (primarily military bases) as identified below and within the corresponding FCC Form 442. The experimental testing will allow Harris to obtain and evaluate the performance metrics of the utilized radio.

Location	County	Latitude	Longitude	Station Class	Radius
Melbourne, FL	Brevard	28-06-37	-80-42-01	Mobile	17 km
Tampa, FL	Hillsborough	27-56-38	-82-31-32	Mobile	17 km
Rochester, NY	Monroe	43-08-49	-77-33-27	Mobile	17 km
Ft Huachuca, AZ	Cochise	31-33-54	-110-21-21	Mobile	17 km
Yuma Proving Grounds, AZ	Yuma	33-00-56	-114-14-37	Mobile	17 km
Camp Pendleton, CA	San Diego	33-21-52	-117-24-36	Mobile	17 km
Camp Roberts, CA	San Luis Obispo	35-47-19	-120-46-55	Mobile	17 km
China Lake NWS, CA	Inyo	35-52-36	-117-38-27	Mobile	17 km
NAS Point Magu, CA	Ventura	34-06-42	-119-06-50	Mobile	17 km
Ft. Benning, GA	Chattahoochee	32-21-08	-84-58-07	Mobile	17 km
Ft. Gordon, GA	Richmond	33-25-17	-82-09-56	Mobile	17 km
Aberdeen Proving Grounds, MD	Harford	39-28-10	-76-06-32	Mobile	17 km
Pax River NAS, MD	St. Mary's	38-16-59	-76-24-57	Mobile	17 km
Fort Dix/Lakehurst NAES, NJ	Ocean	40-00-41	-74-30-14	Mobile	17 km
Fort Monmouth, NJ	Monmouth	40-18-54	-74-02-42	Mobile	17 km
Fort Bragg, NC	Cumberland	35-08-59	-78-59-29	Mobile	17 km
Fort Bliss Military Reservation, TX	El Paso	31-55-48	-106-14-55	Mobile	17 km
Fort A P Hill, VA	Caroline	38-06-16	-77-15-47	Mobile	17 km
Fort Story/Fort Eustis, VA	Virginia Beach	36-55-25	-76-01-03	Mobile	17 km
Langley AFB, VA	Hampton	37-05-12	-76-21-32	Mobile	17 km
USJFCOM, Norfolk VA	Norfolk	36-55-22	-76-18-14	Mobile	17 km

Testing and demonstration activities within the 749-787 MHz frequency range will utilize a Harris 12146-0080 unit communicating a Phazar Model No. BRS360-698-6-T0-N-S antenna mounted on a vehicle or 2-3 meter tripod. Testing and demonstration activities within the 1710-1755 MHz and 2110-2155 MHz frequency ranges will utilize a Harris 12146-0080 unit communicating a Phazar Model No. AWS360-1710-10-T0M-N antenna mounted on a vehicle or 2-3 meter tripod.

Harris is seeking a two year authorization for the noted testing and demonstration activities rather than individual Special Temporary Authority authorizations. Due to the nature of the testing and demonstrations,

which often are short in duration or involve extremely short notice, a two year authorization will allow Harris to efficiently conduct testing and customer demonstrations, thus facilitating its ability to meet the needs of its Public Safety and DoD customers.

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 acknowledges that all experimental operations conducted in the requested bands will be on a non-interference basis. However, to the extent necessary, Harris will utilize its best efforts to avoid and minimize any potential interference. Further, Harris will coordinate as necessary with the FCC licensee(s) in the frequency bands requested herein for any proposed testing/demonstration location.

The stop buzzer contact for this project is William Levy, Systems Engineer, tel: (321)727-6305, mobile: (321)482-9506, e-mail: wlevy@harris.com.