

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

WE2XKE

(Call Sign)

XD FX MO

(Class of Station)

0109-EX-ML-2009

(File Number)

NAME Harris Corporation

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(i) of the Commission's Rules

Station Locations

- (1) Lowell (MIDDLESEX), MA - NL 42-38-25; WL 71-21-55; MOBILE: within 25 km
- (2) Lynchburg, VA - NL 37-24-06; WL 79-13-57; MOBILE: , within 25 km

Frequency Information

Lowell (MIDDLESEX), MA - NL 42-38-25; WL 71-21-55; MOBILE: within 25 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
935-940 MHz	FX	1M25F9W 5M00GXW	1000 W (ERP)	
935-940 MHz	MO	1M25F9W 5M00GXW	1000 W (ERP)	
1850-1990 MHz	MO	1M25F9W 5M00GXW	1000 W (ERP)	

This authorization effective December 04, 2009 and
will expire 3:00 A.M. EST November 01, 2011

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Frequency Information

Lowell (MIDDLESEX), MA - NL 42-38-25; WL 71-21-55; MOBILE:within 25 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1850-1990 MHz	FX	1M25F9W 5M00GXW	1000 W (ERP)	

Lynchburg, VA - NL 37-24-06; WL 79-13-57; MOBILE: , within 25 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1920-1990 MHz	FX	1M25F9W 5M00GXW	100 W (ERP)	
1920-1990 MHz	MO	1M25F9W 5M00GXW	3 W (ERP)	
2110-2170 MHz	FX	1M25F9W 5M00GXW	100 W (ERP)	
2110-2170 MHz	MO	1M25F9W 5M00GXW 5M00GXW	3 W (ERP)	

Special Conditions:

- (1) Operation in the 1850-1910 or 1930-1990 MHz band requires prior frequency coordination with 2 GHz microwave users and consent of PCS licensees to avoid interference.
- (2) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9247 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir @ sbe.org; information, www.sbe.org.

Special Conditions:

- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Operation in the 1710-1755 or 2110-2155 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (5) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (6) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (7) Operation is subject to prior coordination with Fixed Microwave licensees within 100km prior to using the 1850-1990 MHz band.