

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WE2XQK

(Call Sign)

0117-EX-RR-2009

(File Number)

NAME Raytheon Company

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(d, g, i, j) of the Commission's Rules

Station Locations

- (1) MOBILE: Fullerton (ORANGE), CA, within 50 km, centered around NL 33-52-15; WL 117-55-49
- (2) MOBILE: McKinney (COLLIN), TX, within 100 km, centered around NL 33-11-40; WL 96-39-56
- (3) MOBILE: Marlborough (MIDDLESEX), MA, within 50 km, centered around NL 42-20-59; WL 71-32-50
- (4) MOBILE: St. Petersburg (PINELLAS), FL, within 70 km, centered around NL 27-46-19; WL 82-38-26

Frequency Information

MOBILE: Fullerton (ORANGE), CA, within 50 km, centered around NL 33-52-15; WL 117-55-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
806-817 MHz	MO	5M00M9W	5 W (ERP)	
825-846 MHz	MO	5M00M9W	5 W (ERP)	

This authorization effective June 17, 2009 and
will expire 3:00 A.M. EST June 17, 2010

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Fullerton (ORANGE), CA, within 50 km, centered around NL 33-52-15; WL 117-55-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1715-1720 MHz	MO	5M00M9W	5 W (ERP)	
1717.5 MHz	MO	5M00M9W	5 W (ERP)	

MOBILE: Mckinney (COLLIN), TX, within 100 km, centered around NL 33-11-40; WL 96-39-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
806-817 MHz	MO	5M00M9W	5 W (ERP)	
825-846 MHz	MO	5M00M9W	5 W (ERP)	
1715-1720 MHz	MO	5M00M9W	5 W (ERP)	
1717.5 MHz	MO	5M00M9W	5 W (ERP)	

MOBILE: Marlborough (MIDDLESEX), MA, within 50 km, centered around NL 42-20-59; WL 71-32-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
806-817 MHz	MO	5M00M9W	5 W (ERP)	

Frequency Information

MOBILE: Marlborough (MIDDLESEX), MA, within 50 km, centered around NL 42-20-59; WL 71-32-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
825-846 MHz	MO	5M00M9W	5 W (ERP)	
1715-1720 MHz	MO	5M00M9W	5 W (ERP)	
1717.5 MHz	MO	5M00M9W	5 W (ERP)	

MOBILE: St. Petersburg (PINELLAS), FL, within 70 km, centered around NL 27-46-19; WL 82-38-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
806-817 MHz	MO	5M00M9W	5 W (ERP)	
825-846 MHz	MO	5M00M9W	5 W (ERP)	
1715-1720 MHz	MO	5M00M9W	5 W (ERP)	
1717.5 MHz	MO	5M00M9W	5 W (ERP)	

Special Conditions:

- (1) 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.
- (2) 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.

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) Licensee should get consent from existing and future Advance Wireless Services licensees in the 1715-1720 MHz band.
- (5) This license SUPERSEDES the previously issued license with the same call sign and file number: adding a special condition.