

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

EXPERIMENTAL

(Nature of Service)

XC FX

(Class of Station)

WB2XCP

(Call Sign)

0163-EX-RR-2005

(File Number)

NAME Raytheon Company d/b/a Raytheon Systems 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(b, i) of the Commission's Rules

Station Locations

(1) Baltimore (BALTIMORE), MD - NL 39-23-46; WL 76-34-34

Frequency Information

Baltimore (BALTIMORE), MD - NL 39-23-46; WL 76-34-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
979 MHz	FX	N0N	56 W (ERP)	
1030 MHz	FX	5M00A2N	30 kW (ERP)	
1080 MHz	FX	N0N	56 W (ERP)	
1090 MHz	FX	8M80A2N	12.6 kW (ERP)	

This authorization effective October 01, 2005 and
will expire 3:00 A.M. EST January 01, 2007

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Baltimore (BALTIMORE), MD - NL 39-23-46; WL 76-34-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1134 MHz	FX	N0N	56 W (ERP)	
5031 MHz	FX	1K40P9N	56 W (ERP)	
5061 MHz	FX	1K40P9N	56 W (ERP)	
5090.7 MHz	FX	1K40P9N	56 W (ERP)	

Special Conditions:

- (1) Assignment in frequency bands 960-1400, 2700-2900, or 9000-9200 MHz was coordinated prior to authorization with the FAA Eastern Coordinator, New York, NY. Use of frequencies under the authority of this assignment is subject to such further coordination with the FAA Eastern Coordinator, New York, NY, as necessary to ensure compatibility with existing uses.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by FAA contract nos. DTFA-01-92-C-00019 and DTFA-02-03-D-05137. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.