

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

EXPERIMENTAL

(Nature of Service)

XE FX

(Class of Station)

WE2XIA

(Call Sign)

0318-EX-RR-2009

(File Number)

NAME Northrop Grumman Systems 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(b) of the Commission's Rules

Station Locations

- (1) Sykesville (CARROLL), MD - NL 39-22-29; WL 76-57-39
- (2) Linthicum (ANNE ARUNDEL), MD - NL 39-10-46; WL 76-41-27

Frequency Information

Sykesville (CARROLL), MD - NL 39-22-29; WL 76-57-39

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1230 MHz	FX	10M0Q7N	50.5 MW (ERP)	
1235 MHz	FX	10M0Q7N	50.5 MW (ERP)	
1290 MHz	FX	10M0Q7N	50.5 MW (ERP)	
1295 MHz	FX	10M0Q7N	50.5 MW (ERP)	

This authorization effective February 02, 2010 and
will expire 3:00 A.M. EST January 01, 2012

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Linthicum (ANNE ARUNDEL), MD - NL 39-10-46; WL 76-41-27

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1235 MHz	FX	10M0Q7N	50.5 MW (ERP)	
1290 MHz	FX	10M0Q7N	50.5 MW (ERP)	
1295 MHz	FX	10M0Q7N	50.5 MW (ERP)	
1335 MHz	FX	10M0Q7N	50.5 MW (ERP)	

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) This frequency assignment in the band 1215-1400 MHz was coordinated prior to authorization with the FAA Eastern Coordinator, New York, New York. Use of the frequency or band under the authority of this assignment is subject to such further coordination with the FAA Eastern Coordinator, New York, New York, as necessary to ensure compatibility with existing uses.
- (4) This authorization is subject to the understanding that equipment will not be developed for operational use in the United States in this band.

Special Conditions:

- (5) The pulse repetition rate shall be 310-749 pulses per second.
- (6) The pulse duration shall be 99 microseconds.