

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

EXPERIMENTAL

(Nature of Service)

KG2XKS

(Call Sign)

XD      FX

(Class of Station)

0237-EX-RR-2010

(File Number)

NAME BAE SYSTEMS Information and Electronic Systems Integration Inc.

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) of the Commission's Rules

Station Locations

(1) GREENLAWN (SUFFOLK), NY - NL 40-52-00; WL 73-22-10

Frequency Information

GREENLAWN (SUFFOLK), NY - NL 40-52-00; WL 73-22-10

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 1030 MHz  | FX            | 12M0M1D             | 24000 W (ERP)    | 0.005 %                   |

Special Conditions:

- (1) 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.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) All equipment used under the authority of this license will be in conformance with ICAO Aeronautical Telecommunications Annex 10. Only one unit of IFF equipment may be operated at a time.
- (4) Only the fixed PRRs of 310, 375 and 435 pulses per second may be used. Non-fixed PRRs may be used provided the average PRR matches one of the fixed PRRs and the staggered PRR contains at least 5 discrete steps.
- (5) No Mode 4, 5 or Mode S testing is authorized under this assignment.

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

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



**Special Conditions:**

- (6) This frequency assignment on 1030 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.
- (7) Pulse Duration (PD) = 0.8 microsecond.