

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

EXPERIMENTAL

(Nature of Service)

WD2XOB

(Call Sign)

XC FX MO

(Class of Station)

0267-EX-PL-2004

(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(b) of the Commission's Rules

Station Locations

- (1) Hudson (HILLSBOROUGH), NH - NL 42-42-17; WL 71-25-54
- (2) MOBILE: Antenna 2, Motorola HT-750, around point below, Pope Technology Park, within 5 km, centered around NL 42-42-17; WL 71-25-54
- (3) MOBILE: Antenna 3, Motorola CMD-1250, around point below, Pope Technology Park, within 5 km, centered around NL 42-42-17; WL 71-25-54
- (4) MOBILE: Antenna 5, EF Johnson 5182, around point below, Pope Technology Park, within 5 km, centered around NL 42-42-17; WL 71-25-54
- (5) MOBILE: Antenna 6, Kenwood TK-280, around point below, Pope Technology Park, within 5 km, centered around NL 42-42-17; WL 71-25-54

Frequency Information

Hudson (HILLSBOROUGH), NH - NL 42-42-17; WL 71-25-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
151.9775 MHz	FX	12K5F3E 12K5F1E	7 W (ERP)	
151.985 MHz	FX	12K5F3E 25K0F3E	7 W (ERP)	

This authorization effective February 28, 2005 and
will expire 3:00 A.M. EST March 01, 2007

**FEDERAL
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COMMISSION**



Frequency Information

Hudson (HILLSBOROUGH), NH - NL 42-42-17; WL 71-25-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
151.985 MHz	FX	12K5F1E	7 W (ERP)	
159.5625 MHz	FX	12K5F3E 12K5F1E	7 W (ERP)	
159.81 MHz	FX	12K5F3E 25K0F3E 12K5F1E	7 W (ERP)	
809.8375 MHz	FX	25K0F3E 12K5F1E	7 W (ERP)	
854.8375 MHz	FX	25K0F3E 12K5F1E	7 W (ERP)	

MOBILE: Antenna 2, Motorola HT-750, around point below, Pope Technology Park, within 5 km, centered around NL 42-42-17; WL 71-25-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
151.9775 MHz	MO	11K0F3E	2.5 W (ERP)	
151.985 MHz	MO	11K0F3E 16K0F3E	2.5 W (ERP)	

Frequency Information

MOBILE: Antenna 2, Motorola HT-750, around point below, Pope Technology Park, within 5 km, centered around NL 42-42-17; WL 71-25-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
159.5625 MHz	MO	11K0F3E	2.5 W (ERP)	
159.81 MHz	MO	11K0F3E 16K0F3E	2.5 W (ERP)	

MOBILE: Antenna 3, Motorola CMD-1250, around point below, Pope Technology Park, within 5 km, centered around NL 42-42-17; WL 71-25-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
151.9775 MHz	MO	11K0F3E	12.5 W (ERP)	
151.985 MHz	MO	11K0F3E 16K0F3E	12.5 W (ERP)	
159.5625 MHz	MO	11K0F3E	12.5 W (ERP)	
159.81 MHz	MO	11K0F3E 16K0F3E	12.5 W (ERP)	

MOBILE: Antenna 5, EF Johnson 5182, around point below, Pope Technology Park, within 5 km, centered around NL 42-42-17; WL 71-25-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
809.8375 MHz	MO	16K0F3E	1.5 W (ERP)	

Frequency Information

MOBILE: Antenna 5, EF Johnson 5182, around point below, Pope Technology Park, within 5 km, centered around NL 42-42-17; WL 71-25-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
809.8375 MHz	MO	8K10F1E	1.5 W (ERP)	
854.8375 MHz	MO	16K0F3E 8K10F1E	1.5 W (ERP)	

MOBILE: Antenna 6, Kenwood TK-280, around point below, Pope Technology Park, within 5 km, centered around NL 42-42-17; WL 71-25-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
151.9775 MHz	MO	11K0F3E	2.5 W (ERP)	
151.985 MHz	MO	11K0F3E 16K0F3E	2.5 W (ERP)	
159.5625 MHz	MO	11K0F3E	2.5 W (ERP)	
159.81 MHz	MO	11K0F3E 16K0F3E	2.5 W (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.

Special Conditions:

- (3) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the US military contract number MDA972-00-9-0009. 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.