

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

EXPERIMENTAL

(Nature of Service)

XC FX MO

(Class of Station)

WD2XPN

(Call Sign)

0085-EX-PL-2005

(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) HUDSON (HILLSBOROUGH), NH - NL 42-42-17; WL 71-25-54
- (3) MOBILE: Motorola HT-750 around point below, within 5 km, centered around NL 42-42-17; WL 71-25-54
- (4) MOBILE: Motorola CDM-1250 around point below, within 5 km, centered around NL 42-42-17; WL 71-25-54
- (5) MOBILE: Vertex VX-510L around point below, within 5 km, centered around NL 42-42-17; WL 71-25-54
- (6) MOBILE: Vertex VX-537-4-5 around point below, within 5 km, centered around NL 42-42-17; WL 71-25-54
- (7) MOBILE: 1523C around point below, within 5 km, centered around NL 42-42-17; WL 71-25-54
- (8) MOBILE: 1523E around point below, within 5 km, centered around NL 42-42-17; WL 71-25-54
- (9) MOBILE: ICOM IC-F3GT around point below, within 5 km, centered around NL 42-42-17; WL 71-25-54
- (10) MOBILE: KENWOOD TK-280 around point below, within 5 km, centered around NL 42-42-17; WL 71-25-54

This authorization effective August 16, 2006 and
will expire 3:00 A.M. EST September 01, 2008

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
153.98 MHz	FX	12K5F3E 25K0F3E	7 W (ERP)	
458.4875 MHz	FX	12K5F3E 25K0F3E	7 W (ERP)	

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
37.08 MHz	FX	12K5F3E 25K0F3E	7 W (ERP)	
37.28 MHz	FX	12K5F3E 25K0F3E	7 W (ERP)	
37.47 MHz	FX	12K5F3E 25K0F3E	7 W (ERP)	
37.67 MHz	FX	12K5F3E 25K0F3E	7 W (ERP)	
37.87 MHz	FX	12K5F3E 25K0F3E	7 W (ERP)	

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
38.17 MHz	FX	12K5F3E 25K0F3E	7 W (ERP)	
38.38 MHz	FX	12K5F3E 25K0F3E	7 W (ERP)	
38.57 MHz	FX	12K5F3E 25K0F3E	7 W (ERP)	
38.77 MHz	FX	12K5F3E 25K0F3E	7 W (ERP)	
38.97 MHz	FX	12K5F3E 25K0F3E	7 W (ERP)	
43.15 MHz	FX	12K5F3E 25K0F3E 25K0F1E	7 W (ERP)	
232.1 MHz	FX	12K5F3E 25K0F3E	7 W (ERP)	
352.1 MHz	FX	12K5F3E 25K0F3E	7 W (ERP)	

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
153.98 MHz	MO	12K5F3E 25K0F3E	2.5 W (ERP)	

MOBILE: Motorola CDM-1250 around point below, within 5 km, centered around NL 42-42-17; WL 71-25-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
153.98 MHz	MO	12K5F3E 25K0F3E	12.5 W (ERP)	

MOBILE: Vertex VX-510L around point below, within 5 km, centered around NL 42-42-17; WL 71-25-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
37.08 MHz	MO	16K0F3E	2.5 W (ERP)	
37.28 MHz	MO	16K0F3E	2.5 W (ERP)	
37.47 MHz	MO	16K0F3E	2.5 W (ERP)	
37.67 MHz	MO	16K0F3E	2.5 W (ERP)	
37.87 MHz	MO	16K0F3E	2.5 W (ERP)	

Frequency Information

MOBILE: Vertex VX-537-4-5 around point below, within 5 km, centered around NL 42-42-17; WL 71-25-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
458.4875 MHz	MO	25K0F3E	2.5 W (ERP)	

MOBILE: 1523C around point below, within 5 km, centered around NL 42-42-17; WL 71-25-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
37.08 MHz	MO	12K5F3E	3 W (ERP)	
37.28 MHz	MO	12K5F3E	3 W (ERP)	
37.47 MHz	MO	12K5F3E	3 W (ERP)	
37.67 MHz	MO	12K5F3E	3 W (ERP)	
37.87 MHz	MO	12K5F3E	3 W (ERP)	
38.17 MHz	MO	12K5F3E	3 W (ERP)	
38.38 MHz	MO	12K5F3E	3 W (ERP)	
38.57 MHz	MO	12K5F3E	3 W (ERP)	

Frequency Information

MOBILE: 1523C around point below, within 5 km, centered around NL 42-42-17; WL 71-25-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
38.77 MHz	MO	12K5F3E	3 W (ERP)	
38.97 MHz	MO	12K5F3E	3 W (ERP)	
43.15 MHz	MO	12K5F3E 25K0F3E 25K0F1E	3 W (ERP)	

MOBILE: 1523E around point below, within 5 km, centered around NL 42-42-17; WL 71-25-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
37.08 kHz	MO	12K5F3E	3 W (ERP)	
37.28 kHz	MO	12K5F3E	3 W (ERP)	
37.47 kHz	MO	12K5F3E	3 W (ERP)	
37.67 kHz	MO	12K5F3E	3 W (ERP)	
37.87 kHz	MO	12K5F3E	3 W (ERP)	

Frequency Information

MOBILE: 1523E around point below, within 5 km, centered around NL 42-42-17; WL 71-25-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
38.17 kHz	MO	12K5F3E	3 W (ERP)	
38.38 kHz	MO	12K5F3E	3 W (ERP)	
38.57 kHz	MO	12K5F3E	3 W (ERP)	
38.77 kHz	MO	12K5F3E	3 W (ERP)	
38.97 kHz	MO	12K5F3E	3 W (ERP)	
43.15 kHz	MO	12K5F3E 25K0F3E 25K0F1E	3 W (ERP)	

MOBILE: ICOM IC-F3GT around point below, within 5 km, centered around NL 42-42-17; WL 71-25-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
153.98 MHz	MO	12K5F3E	2.5 W (ERP)	

Frequency Information

MOBILE: KENWOOD TK-280 around point below, within 5 km, centered around NL 42-42-17; WL 71-25-54

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

- Special Conditions:
- (1) Operation is subject to prior coordination with existing specialized mobile radio (SMR) licensees.