

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WE2XPU

(Call Sign)

0395-EX-PL-2007

(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(i) of the Commission's Rules

Station Locations

- (1) MOBILE: Antenna 1: 65 River Road, Pope Technology Park Building 1, Hudson, NH, within 5 km, centered around NL 42-42-17; WL 71-25-54
- (2) MOBILE: Antenna 2: 65 River Road, Pope Technology Park Building 1, Hudson, NH, within 5 km, centered around NL 42-42-17; WL 71-25-54
- (3) MOBILE: Antenna 3: 65 River Road, Pope Technology Park Building 1, Hudson, NH, within 5 km, centered around NL 42-42-17; WL 71-25-54
- (4) MOBILE: Antenna 4: 65 River Road, Pope Technology Park Building 1, Hudson, NH, within 5 km, centered around NL 42-42-17; WL 71-25-54
- (5) MOBILE: Antenna 6: 65 River Road, Pope Technology Park Building 1, Hudson, NH, within 5 km, centered around NL 42-42-17; WL 71-25-54
- (6) MOBILE: Antenna 5: 65 River Road, Pope Technology Park Building 1, Hudson, NH, within 5 km, centered around NL 42-42-17; WL 71-25-54
- (7) MOBILE: Antenna 10: 65 River Road, Pope Technology Park Building 1, Hudson, NH, within 5 km, centered around NL 42-42-17; WL 71-25-54
- (8) MOBILE: Antenna 7: 65 River Road, Pope Technology Park Building 1, Hudson, NH, within 5 km, centered around NL 42-42-17; WL 71-25-54
- (9) MOBILE: Antenna 11: 65 River Road, Pope Technology Park Building 1, Hudson, NH, within 5 km, centered around NL 42-42-17; WL 71-25-54
- (10) MOBILE: Antenna 8: 65 River Road, Pope Technology Park Building 1, Hudson, NH, within 5 km, centered around NL 42-42-17; WL 71-25-54
- (11) MOBILE: Antenna 9: 65 River Road, Pope Technology Park Building 1, Hudson, NH, within 5 km, centered around NL 42-42-17; WL 71-25-54

This authorization effective July 29, 2008 and
will expire 3:00 A.M. EST August 01, 2010

FEDERAL
COMMUNICATIONS
COMMISSION



Frequency Information

MOBILE: Antenna 1: 65 River Road, Pope Technology Park Building 1, Hudson, NH, 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	12K5F1E 25K0F3E 12K5F3E 25K0F1E	2.5 W (ERP)	

MOBILE: Antenna 2: 65 River Road, Pope Technology Park Building 1, Hudson, NH, 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	7 W (ERP)	
37.28 MHz	MO	12K5F3E	7 W (ERP)	
37.47 MHz	MO	12K5F3E	7 W (ERP)	
37.67 MHz	MO	12K5F3E	7 W (ERP)	
37.87 MHz	MO	12K5F3E	7 W (ERP)	
38.17 MHz	MO	12K5F3E	7 W (ERP)	
38.38 MHz	MO	12K5F3E	7 W (ERP)	

Frequency Information

MOBILE: Antenna 2: 65 River Road, Pope Technology Park Building 1, Hudson, NH, within 5 km, centered around NL 42-42-17; WL 71-25-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
38.57 MHz	MO	12K5F3E 25K0F3E	7 W (ERP)	
38.77 MHz	MO	12K5F3E 25K0F3E	7 W (ERP)	
38.97 MHz	MO	12K5F3E 25K0F3E	7 W (ERP)	
43.15 MHz	MO	12K5F3E 25K0F3E	7 W (ERP)	

MOBILE: Antenna 3: 65 River Road, Pope Technology Park Building 1, Hudson, NH, 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	12K5F3E 25K0F3E	2.5 W (ERP)	

MOBILE: Antenna 4: 65 River Road, Pope Technology Park Building 1, Hudson, NH, 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: Antenna 6: 65 River Road, Pope Technology Park Building 1, Hudson, NH, 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)	

MOBILE: Antenna 5: 65 River Road, Pope Technology Park Building 1, Hudson, NH, 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	12K5F1E 12K5F3E	2.5 W (ERP)	
458.4875 MHz	MO	12K5F3E 25K0F3E	7 W (ERP)	

MOBILE: Antenna 10: 65 River Road, Pope Technology Park Building 1, Hudson, NH, 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)	

MOBILE: Antenna 7: 65 River Road, Pope Technology Park Building 1, Hudson, NH, 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 25K0F3E	7 W (ERP)	

Frequency Information

MOBILE: Antenna 7: 65 River Road, Pope Technology Park Building 1, Hudson, NH, within 5 km, centered around NL 42-42-17; WL 71-25-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
37.28 MHz	MO	12K5F3E 25K0F3E	7 W (ERP)	
37.47 MHz	MO	12K5F3E 25K0F3E	7 W (ERP)	
37.67 MHz	MO	12K5F3E 25K0F3E	7 W (ERP)	
37.87 MHz	MO	12K5F3E 25K0F3E	7 W (ERP)	
38.17 MHz	MO	12K5F3E 25K0F3E	7 W (ERP)	
38.38 MHz	MO	12K5F3E 25K0F3E	7 W (ERP)	
38.57 MHz	MO	12K5F3E 25K0F3E	7 W (ERP)	
38.77 MHz	MO	12K5F3E 25K0F3E	7 W (ERP)	

Frequency Information

MOBILE: Antenna 7: 65 River Road, Pope Technology Park Building 1, Hudson, NH, within 5 km, centered around NL 42-42-17; WL 71-25-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
38.97 MHz	MO	12K5F3E 25K0F3E	7 W (ERP)	
43.15 MHz	MO	12K5F3E 25K0F3E	7 W (ERP)	

MOBILE: Antenna 11: 65 River Road, Pope Technology Park Building 1, Hudson, NH, 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 25K0F3E	7 W (ERP)	
37.28 MHz	MO	12K5F3E 25K0F3E	7 W (ERP)	
37.47 MHz	MO	12K5F3E 25K0F3E	7 W (ERP)	
37.67 MHz	MO	12K5F3E 25K0F3E	7 W (ERP)	
37.87 MHz	MO	12K5F3E 25K0F3E	7 W (ERP)	

Frequency Information

MOBILE: Antenna 11: 65 River Road, Pope Technology Park Building 1, Hudson, NH, within 5 km, centered around NL 42-42-17; WL 71-25-54

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

MOBILE: Antenna 8: 65 River Road, Pope Technology Park Building 1, Hudson, NH, 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	7 W (ERP)	

Frequency Information

MOBILE: Antenna 9: 65 River Road, Pope Technology Park Building 1, Hudson, NH, 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	12K5F3E 25K0F3E	2.5 W (ERP)	

Special Conditions:

- (1) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9247 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir @ sbe.org; information, www.sbe.org.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) 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.
- (4) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (5) Operation is subject to prior coordination with existing specialized mobile radio (SMR) licensees.