

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

EXPERIMENTAL

(Nature of Service)

WE2XRN

(Call Sign)

XT MO

(Class of Station)

0096-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(i) of the Commission's Rules

Station Locations

- (1) MOBILE: Antenna 1, Icom Inc., around point below, Pope Technology park, Hudson, NH, within 5 km, centered around NL 42-42-17; WL 71-25-54
- (2) MOBILE: Antenna 5, Kenwood TK-2180K, around point below, Pope Technology park, Hudson, NH, within 5 km, centered around NL 42-42-17; WL 71-25-54
- (3) MOBILE: Antenna 6, Kenwood TK-5210K1, around point below, Pope Technology park, Hudson, NH, within 5 km, centered around NL 42-42-17; WL 71-25-54
- (4) MOBILE: Antenna 7, Kenwood TK-280, around point below, Pope Technology park, Hudson, NH, within 5 km, centered around NL 42-42-17; WL 71-25-54
- (5) MOBILE: Antenna 8 Vertex VX-510V, around point below, Pope Technology park, Hudson, NH, within 5 km, centered around NL 42-42-17; WL 71-25-54
- (6) MOBILE: Antenna 2, EF Johnson, around point below, Hudson, NH, within 5 km, centered around NL 42-42-17; WL 71-25-54
- (7) MOBILE: Antenna 3, Kenwood TK-480, around point below, Hudson, NH, within 5 km, centered around NL 42-42-17; WL 71-25-54
- (8) MOBILE: Antenna 4, Kenwood TK-5400, around point below, Hudson, NH, within 5 km, centered around NL 42-42-17; WL 71-25-54

Frequency Information

MOBILE: Antenna 1, Icom Inc., around point below, Pope Technology park, Hudson, NH, 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	12K5F3E 25K0F3E	2.5 W (ERP)	

This authorization effective June 11, 2010 and
will expire 3:00 A.M. EST June 01, 2012

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Antenna 1, Icom Inc., around point below, Pope Technology park, Hudson, NH, 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	12K5F1E	2.5 W (ERP)	
151.985 MHz	MO	12K5F3E 25K0F3E 12K5F1E	2.5 W (ERP)	
159.5625 MHz	MO	12K5F3E 25K0F3E 12K5F1E	2.5 W (ERP)	
159.81 MHz	MO	12K5F3E 25K0F3E 12K5F1E	2.5 W (ERP)	

MOBILE: Antenna 5, Kenwood TK-2180K, around point below, Pope Technology park, Hudson, NH, 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	12K5F3E	2.5 W (ERP)	
151.985 MHz	MO	12K5F3E	2.5 W (ERP)	
159.5625 MHz	MO	12K5F3E	2.5 W (ERP)	

Frequency Information

MOBILE: Antenna 5, Kenwood TK-2180K, around point below, Pope Technology park, Hudson, NH, within 5 km, centered around NL 42-42-17; WL 71-25-54

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

MOBILE: Antenna 6, Kenwood TK-5210K1, around point below, Pope Technology park, Hudson, NH, 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	12K5F3E	2.5 W (ERP)	
151.985 MHz	MO	12K5F3E	2.5 W (ERP)	
159.5625 MHz	MO	12K5F3E	2.5 W (ERP)	
159.81 MHz	MO	12K5F3E	2.5 W (ERP)	

MOBILE: Antenna 7, Kenwood TK-280, around point below, Pope Technology park, Hudson, NH, 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	12K5F3E	2.5 W (ERP)	
151.985 MHz	MO	12K5F3E	2.5 W (ERP)	

Frequency Information

MOBILE: Antenna 7, Kenwood TK-280, around point below, Pope Technology park, Hudson, NH, 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	12K5F3E	2.5 W (ERP)	
159.81 MHz	MO	12K5F3E	2.5 W (ERP)	

MOBILE: Antenna 8 Vertex VX-510V, around point below, Pope Technology park, Hudson, NH, 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	12K5F3E	2.5 W (ERP)	
151.985 MHz	MO	12K5F3E	2.5 W (ERP)	
159.5625 MHz	MO	12K5F3E	2.5 W (ERP)	
159.81 MHz	MO	12K5F3E	2.5 W (ERP)	

MOBILE: Antenna 2, EF Johnson, around point below, Hudson, NH, 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	8K00F3E 16K0F3E 8K00F1E	1.5 W (ERP)	

Frequency Information

MOBILE: Antenna 2, EF Johnson, around point below, Hudson, NH, 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	16K0F1E	1.5 W (ERP)	
854.8375 MHz	MO	8K00F3E 16K0F3E 8K00F1E 16K0F1E	1.5 W (ERP)	

MOBILE: Antenna 3, Kenwood TK-480, around point below, Hudson, NH, 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	25K0F3E	1.5 W (ERP)	
854.8375 MHz	MO	25K0F3E	1.5 W (ERP)	

MOBILE: Antenna 4, Kenwood TK-5400, around point below, Hudson, NH, 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	25K0F3E	1.5 W (ERP)	
854.8375 MHz	MO	25K0F3E	1.5 W (ERP)	

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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Stop Buzzer: Dave Morin at (603) 885-7359.