

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

EXPERIMENTAL

(Nature of Service)

XC FX

(Class of Station)

WE2XCE

(Call Sign)

0032-EX-ML-2012

(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) Lichfield (HILLSBOROUGH), NH - NL 42-48-22; WL 71-25-33

Frequency Information

Lichfield (HILLSBOROUGH), NH - NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
329.6 MHz	FX	N0N	0.007 W (ERP)	
332 MHz	FX	N0N	0.007 W (ERP)	
332.7 MHz	FX	N0N	0.007 W (ERP)	
454.4 MHz	FX	N0N	0.007 W (ERP)	

This authorization effective May 16, 2012 and
will expire 3:00 A.M. EST October 13, 2013

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Lichfield (HILLSBOROUGH), NH - NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
471.2 MHz	FX	N0N	0.007 W (ERP)	
473.6 MHz	FX	N0N	0.007 W (ERP)	
474.3 MHz	FX	N0N	0.007 W (ERP)	
476 MHz	FX	N0N	0.007 W (ERP)	
478.4 MHz	FX	N0N	0.007 W (ERP)	
480.2 MHz	FX	N0N	0.007 W (ERP)	
480.8 MHz	FX	N0N	0.007 W (ERP)	
483.2 MHz	FX	N0N	0.007 W (ERP)	
485.6 MHz	FX	N0N	0.007 W (ERP)	
486.1 MHz	FX	N0N	0.007 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
490.4 MHz	FX	N0N	0.007 W (ERP)	
492 MHz	FX	N0N	0.007 W (ERP)	
492.8 MHz	FX	N0N	0.007 W (ERP)	
495.2 MHz	FX	N0N	0.007 W (ERP)	
497.6 MHz	FX	N0N	0.007 W (ERP)	
497.9 MHz	FX	N0N	0.007 W (ERP)	
503.8 MHz	FX	N0N	0.007 W (ERP)	
615.9 MHz	FX	N0N	0.007 W (ERP)	
621.8 MHz	FX	N0N	0.007 W (ERP)	
633.6 MHz	FX	N0N	0.007 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
639.5 MHz	FX	N0N	0.007 W (ERP)	
645.4 MHz	FX	N0N	0.007 W (ERP)	
651.3 MHz	FX	N0N	0.007 W (ERP)	
657.2 MHz	FX	N0N	0.007 W (ERP)	
663.1 MHz	FX	N0N	0.007 W (ERP)	
669 MHz	FX	N0N	0.007 W (ERP)	
674.9 MHz	FX	N0N	0.007 W (ERP)	
680.8 MHz	FX	N0N	0.007 W (ERP)	
686.7 MHz	FX	N0N	0.007 W (ERP)	
692.6 MHz	FX	N0N	0.007 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
698.5 MHz	FX	N0N	0.007 W (ERP)	
704.4 MHz	FX	N0N	0.007 W (ERP)	
710.3 MHz	FX	N0N	0.007 W (ERP)	
716.6 MHz	FX	N0N	0.007 W (ERP)	
722.1 MHz	FX	N0N	0.007 W (ERP)	
728 MHz	FX	N0N	0.007 W (ERP)	
733.9 MHz	FX	N0N	0.007 W (ERP)	
739.8 MHz	FX	N0N	0.007 W (ERP)	
745.7 MHz	FX	N0N	0.007 W (ERP)	
751.6 MHz	FX	N0N	0.007 W (ERP)	

Frequency Information

Lichfield (HILLSBOROUGH), NH - NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
757.5 MHz	FX	N0N	0.007 W (ERP)	
763.4 MHz	FX	N0N	0.007 W (ERP)	
769.3 MHz	FX	N0N	0.007 W (ERP)	
775.2 MHz	FX	N0N	0.007 W (ERP)	
781.1 MHz	FX	N0N	0.007 W (ERP)	
787 MHz	FX	N0N	0.007 W (ERP)	
792.9 MHz	FX	N0N	0.007 W (ERP)	
804.7 MHz	FX	N0N	0.007 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) Operation in the 763-768 or 793-798 MHz band requires consent of the Public Safety Spectrum Trust Corporation (PSST) to avoid interference.
- (3) Operation in the 763-768 or 793-798 MHz band requires consent of 700 MHz waiver recipient(s), in areas where such waivers have been awarded, to avoid interference.
- (4) The station identification requirements of Section 5.115 of the Commission's Rules are waived.

Special Conditions:

- (5) 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.
- (6) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S. Air Force; contract number FA8620-11-G-4029. 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.
- (7) The applicant agrees to accept and implement any future modifications to their operation as directed by the FAA to include ceasing operations, or adding additional frequency restrictions so that future FAA operational requirements can be supported.
- (8) Authorized Power ERP shall not exceed 0.007 Watts.
- (9) The designated point-of-contact to terminate transmissions if interference occurs is Rick Ball at (603) 318-6913 or BAE Systems Emergency Services Center at (603) 885-3842 .