

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WM9XML

(Call Sign)

XC FX

(Class of Station)

0228-EX-ST-2018

(File Number)

NAME BAE SYSTEMS Information and Electronic Systems Integration Inc.

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

Testing antennas.

Station Locations

(1) Lebanon Township (HUNTERDON), NJ - NL 40-42-12; WL 74-52-11

Frequency Information

Lebanon Township (HUNTERDON), NJ - NL 40-42-12; WL 74-52-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1025-1035 MHz	FX	NON	1 W (ERP)	
1059.6-1060.4 MHz	FX	NON	100 W (ERP)	
1087-1093 MHz	FX	NON	1 W (ERP)	

This authorization effective March 14, 2018 and
will expire 3:00 A.M. EST May 05, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by Navy contract N00019-15-C-0038. 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.
- (5) Use of this frequency or band under the authority of this assign is subject to further coordination with the FAA as necessary to ensure compatibility with existing uses.
- (6) The designated point-of-contact to terminate the system if having interference occurs is BAE Systems Emergency Services Center at (603) 885-3842.
- (7) BAE SYSTEMS Information and Electronic Systems Integration Inc. shall limit the transmit antenna type, gain, and azimuth to; parabolic, 27.9 dBi, 161 degrees respectively.
- (8) BAE SYSTEMS Information and Electronic Systems Integration Inc. shall notify the FAA Spectrum Management Office of each and every OE-120()/UPX Antenna Sell Off event at least one week prior to the event and provide current contact information for the event. The FAA contact points are Mr Rodney Murphy (Rodney.murphy@faa.gov) and Mr. Don Nellis (donald.nellis@faa.gov)
- (9) NTIA will not extend the use of the 1030 and 1090 MHz CW testing beyond 1 January 2020 when the ADS-B mandate takes effect.