

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WD9XLF

(Call Sign)

0367-EX-ST-2008

(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:

BAE Systems requests the use of a GPS re-radiation system to permit testing of GPS navigation systems.

Station Locations

- (1) Nashua (HILLSBOROUGH), NH - NL 42-42-14; WL 71-26-46
- (2) Nashua (HILLSBOROUGH), NH - NL 42-42-14; WL 71-26-56
- (3) Hudson (HILLSBOROUGH), NH - NL 42-42-09; WL 71-25-52

Frequency Information

Nashua (HILLSBOROUGH), NH - NL 42-42-14; WL 71-26-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1213-1237 MHz	FX	24M0G1D	31.19 pW (ERP)	
1563-1587 MHz	FX	24M0G1D	55.46 pW (ERP)	

This authorization effective August 15, 2008 and
will expire 3:00 A.M. EST February 16, 2009

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Nashua (HILLSBOROUGH), NH - NL 42-42-14; WL 71-26-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1213-1237 MHz	FX	24M0G1D	18.97 pW (ERP)	
1563-1587 MHz	FX	24M0G1D	31.48 pW (ERP)	

Hudson (HILLSBOROUGH), NH - NL 42-42-09; WL 71-25-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1213-1237 MHz	FX	24M0G1D	41.88 pW (ERP)	
1563-1587 MHz	FX	24M0G1D	72.78 pW (ERP)	

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) 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.
- (3) Operation is limited to activity for the purpose of testing radionavigation satellite service (RNSS) equipment and systems.
- (4) The test equipment shall only be used indoors and shall be under the control of the BAE systems.
- (5) The BAE systems shall post signs on doors to the test area notifying that, "GPS re-radiator is in use and the GPS information you receive may be in error."
- (6) GPS users in the area of potential interference to GPS reception must be notified that GPS information may be impacted for periods of time.
- (7) The designated point-of-contact to terminate transmissions if interference occurs is Mr. Robert D.Green at 512-415-4916 and Michael E.Anderson at 603-885-2851.
- (8) EIRP is no greater than -140 dBm/24 MHz at 100 feet.