

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

EXPERIMENTAL

(Nature of Service)

XD     FX

(Class of Station)

WD9XZL

(Call Sign)

0299-EX-ST-2010

(File Number)

NAME Raytheon NCS

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:**

To support the evaluation and the Factory Acceptance Testing (FAT) for deliverable Electronic Scan Antennas (ESAs).

**Station Locations**

- (1) Largo (PINELLAS), FL - NL 27-51-55; WL 82-46-57
- (2) Towson (BALTIMORE), MD - NL 39-23-45; WL 76-34-33

**Frequency Information**

Largo (PINELLAS), FL - NL 27-51-55; WL 82-46-57

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 600 MHz   | FX            | NON                 | 100 mW (ERP)     |                           |
| 800 MHz   | FX            | NON                 | 100 mW (ERP)     |                           |
| 1200 MHz  | FX            | NON                 | 100 mW (ERP)     |                           |

This authorization effective July 17, 2010 and  
will expire 3:00 A.M. EST January 31, 2011

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Largo (PINELLAS), FL - NL 27-51-55; WL 82-46-57

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 1434 MHz  | FX            | N0N                 | 100 mW (ERP)     |                           |

Towson (BALTIMORE), MD - NL 39-23-45; WL 76-34-33

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 600 MHz   | FX            | N0N                 | 100 mW (ERP)     |                           |
| 800 MHz   | FX            | N0N                 | 100 mW (ERP)     |                           |
| 1200 MHz  | FX            | N0N                 | 100 mW (ERP)     |                           |
| 1434 MHz  | FX            | N0N                 | 100 mW (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.

## Special Conditions:

- (5) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the Navy Contract Nr. N00024-05-C-5346 and Air Force Contract Nr. F33657-01-D-0026-0053.. 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.
- (6) The FAA has concerns with the performance of the electronic scan antennas being tested for F-15 aircraft and the USS Zumwalt. FAA concurrence with this test should not be construed as FAA endorsement of the antenna design.