

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

EXPERIMENTAL

(Nature of Service)

XC      FX

(Class of Station)

WJ9XUR

(Call Sign)

0556-EX-ST-2016

(File Number)

NAME Northrop Grumman Systems Corporation

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:**

The purpose is to use an interrogator test kit manufactured by the USGOV, AN/USM-719, to conduct performance verification testing of the G/ATOR IFF (secondary radar).

**Station Locations**

(1) Hanover (ANNE ARUNDEL), MD - NL 39-11-09; WL 76-42-09

**Frequency Information**

Hanover (ANNE ARUNDEL), MD - NL 39-11-09; WL 76-42-09

| Frequency | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------|---------------|---------------------|------------------|---------------------------|
| 1090 MHz  | FX            | 7M00V1D<br>8M00M1D  | 0.031 uW (ERP)   |                           |

This authorization effective May 05, 2016 and  
will expire 3:00 A.M. EST November 05, 2016

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Special Conditions:

- (1) The following conditions are applied for radiating AN/USM-719 ramp tester at Hanover MD.
  - a. Only Mode 1 and 2 radiation test are allowed for ground functional evaluation. Both modes cannot be used simultaneously.
  - b. No Mode 3A, C, 4, 5, or S allowed.
  - c. Mode 2 code must be obtained from local ATCT facility prior test.
  - d. The assignment will be expired 31 May 2018.
  - e. Power is EIRP.
  - f. PRR shall be 0-2K.
  - g. The user shall only have static operation testing for the USM-719, not dynamic.
- (2) Prior to the start of testing, Northrop Grumman must provide a STOP BUZZER point of contact and phone number to:

MS. Jennifer Corzo  
Air Force Spectrum Management Office  
Phone: 301-202-3719  
Email: jennifer.corzo.2@us.af.mil

MSgt Devaron Headings  
459th Air Refueling Wing  
Avionics Mechanics Supervisor  
Phone: 240-857-6791

- (3) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by U.S. Navy/USMC contract no. M67854-07-C-2027. 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.