

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

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WJ9XXL

(Call Sign)

0651-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:

Experiment with methods of temporarily transmitting data from aircraft pod-mounted equipment to a receiver in the cockpit.

Station Locations

- (1) MOBILE: Nellis AFB, NV: max alt 45,000 ft MSL, within 186 km, centered around NL 36-14-38; WL 115-03-15
- (2) MOBILE: Tucson, AZ: max altitude 45,000 ft MSL, within 186 km, centered around NL 32-09-48; WL 110-51-52

Frequency Information

MOBILE: Nellis AFB, NV: max alt 45,000 ft MSL, within 186 km, centered around NL 36-14-38; WL 115-03-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
704-716 MHz	MO	10M0D7D	200 mW (Output Power)	
734-746 MHz	MO	10M0G7D	80 mW (Output Power)	

This authorization effective May 31, 2016 and
will expire 3:00 A.M. EST November 30, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
746-756 MHz	MO	10M0G7D	80 mW (Output Power)	
777-787 MHz	MO	10M0D7D	200 mW (Output Power)	
824-849 MHz	MO	10M0D7D	200 mW (Output Power)	
869-894 MHz	MO	10M0G7D	80 mW (Output Power)	
1850-1910 MHz	MO	10M0D7D	200 mW (Output Power)	
1930-1990 MHz	MO	10M0G7D	80 mW (Output Power)	

MOBILE: Tucson, AZ: max altitude 45,000 ft MSL, within 186 km, centered around NL 32-09-48; WL 110-51-52

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869-894 MHz	MO	10M0G7D	80 mW (Output Power)	
1850-1910 MHz	MO	10M0D7D	200 mW (Output Power)	
1930-1990 MHz	MO	10M0G7D	80 mW (Output Power)	

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) Northrop Grumman Systems Corporation must get the consents of the following within 400 km of the test area:
 1. All 700 MHz lower band "B" and "C" block licensees (704-716 MHz / 734-746 MHz)
 2. 700 MHz upper band "C" block licensee (746-757 MHz / 776-787 MHz)
 3. All Cellular licensees (824-849 MHz/869-894 MHz)
 4. All Broadband PCS licensees (1850-1910 MHz /1930-1990 MHz)