

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

EXPERIMENTAL

(Nature of Service)

WL9XOK

(Call Sign)

XT MO

(Class of Station)

0671-EX-ST-2017

(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:

This request is for a Mobile Electronic Test System that is to be used to stimulate a receiver system on a Flying Test Bed (FTB).

Station Locations

(1) MOBILE: Palm Bay, FL, within 3.22 km, centered around NL 27-33-38; WL 80-25-23

Frequency Information

MOBILE: Palm Bay, FL, within 3.22 km, centered around NL 27-33-38; WL 80-25-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
77 MHz	MO	100KP0N	360 kW (ERP)	
152 MHz	MO	100KP0N	360 kW (ERP)	
161 MHz	MO	100KP0N	360 kW (ERP)	

This authorization effective August 02, 2017 and
will expire 3:00 A.M. EST February 01, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
174 MHz	MO	100KP0N	360 kW (ERP)	
184 MHz	MO	100KP0N	360 kW (ERP)	
194 MHz	MO	100KP0N	360 kW (ERP)	
205 MHz	MO	100KP0N	360 kW (ERP)	
215 MHz	MO	100KP0N	360 kW (ERP)	
386.629 MHz	MO	100KP0N	360 kW (ERP)	
390.495 MHz	MO	100KP0N	360 kW (ERP)	
392.438 MHz	MO	100KP0N	360 kW (ERP)	
394.4 MHz	MO	100KP0N	360 kW (ERP)	
396.372 MHz	MO	100KP0N	360 kW (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
398.344 MHz	MO	100KP0N	360 kW (ERP)	
502.892 MHz	MO	100KP0N	360 kW (ERP)	
507.921 MHz	MO	100KP0N	360 kW (ERP)	
510.448 MHz	MO	100KP0N 100KP0N 100KP0N	360 kW (ERP)	
513 MHz	MO	100KP0N	360 kW (ERP)	
515.565 MHz	MO	100KP0N	360 kW (ERP)	
518.13 MHz	MO	100KP0N	360 kW (ERP)	
523.311 MHz	MO	100KP0N	360 kW (ERP)	
655 MHz	MO	100KN0N	360 kW (ERP)	
905 MHz	MO	100KP0N	360 kW (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1677 MHz	MO	100KP0N	360 kW (ERP)	
1818.449 MHz	MO	100KP0N	360 kW (ERP)	
1836.634 MHz	MO	100KP0N	360 kW (ERP)	
1845.771 MHz	MO	100KP0N	360 kW (ERP)	
1855 MHz	MO	100KP0N	360 kW (ERP)	
1864.275 MHz	MO	100KP0N	360 kW (ERP)	
1873.55 MHz	MO	100KP0N	360 kW (ERP)	
1892.286 MHz	MO	100KP0N	360 kW (ERP)	
2401.725 MHz	MO	100KP0N	360 kW (ERP)	
2425.743 MHz	MO	100KP0N	360 kW (ERP)	

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2437.811 MHz	MO	100KP0N	360 kW (ERP)	
2450 MHz	MO	100KP0N	360 kW (ERP)	
2462.25 MHz	MO	100KP0N	360 kW (ERP)	
2474.5 MHz	MO	100KP0N	360 kW (ERP)	
2650 MHz	MO	100KP0N	360 kW (ERP)	
3180 MHz	MO	100KP0N	360 kW (ERP)	
3380 MHz	MO	100KP0N	360 kW (ERP)	
3620 MHz	MO	100KP0N	360 kW (ERP)	
4715 MHz	MO	100KP0N	360 kW (ERP)	
4940 MHz	MO	100KP0N	360 kW (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5257.426 MHz	MO	100KP0N	360 kW (ERP)	
5283.582 MHz	MO	100KP0N	360 kW (ERP)	
5310 MHz	MO	100KP0N	360 kW (ERP)	
5336.55 MHz	MO	100KP0N	360 kW (ERP)	
5363.1 MHz	MO	100KP0N	360 kW (ERP)	
5416.731 MHz	MO	100KP0N	360 kW (ERP)	
8550 MHz	MO	100KP0N	360 kW (ERP)	
8750 MHz	MO	100KP0N	360 kW (ERP)	
8950 MHz	MO	100KP0N	360 kW (ERP)	
9690 MHz	MO	100KP0N	360 kW (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
12910 MHz	MO	100KP0N	360 kW (ERP)	
13920.204 MHz	MO	100KP0N	360 kW (ERP)	
14059.406 MHz	MO	100KP0N	360 kW (ERP)	
14129.353 MHz	MO	100KP0N	360 kW (ERP)	
14200 MHz	MO	100KP0N	360 kW (ERP)	
14271 MHz	MO	100KP0N	360 kW (ERP)	
14342 MHz	MO	100KP0N	360 kW (ERP)	
14485.42 MHz	MO	100KP0N	360 kW (ERP)	
14610 MHz	MO	100KP0N	360 kW (ERP)	
14890 MHz	MO	100KP0N	360 kW (ERP)	

Special Conditions:

- (1) Operation requires consent of affected Educational Broadband Service/Broadband Radio Service (EBS/BRS) licensees.
- (2) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at http://freq.sbe.org/pdf_files/coordinators.pdf to find the appropriate coordinator.
- (3) Operation in the 1850-1910 or 1930-1990 MHz band requires prior frequency coordination with 2 GHz microwave users and consent of PCS licensees to avoid interference.
- (4) 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.
- (5) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (6) NGSC must notify the following within 80 km of the test area:
Location & Monitoring Service licensees (902-928 MHz)
Paging Service licensees in 152 MHz, and 152 MHz/158 MHz.
- (7) Test is ground to air operations only. The receiver aircraft will be East of Melbourne FL at 43K AGL, 70NM over the ocean. The ground equipment will stay setup fixed at test location.
- (8) Cease Buzzer POC is Spencer Cleveland, 321-951-5660/5522