

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

EXPERIMENTAL

(Nature of Service)

XD FX MO

(Class of Station)

WB9XZK

(Call Sign)

0444-EX-ST-2005

(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:

Test and development of military equipment.

Station Locations

- (1) Melbourne (BREVARD), FL - NL 28-05-38; WL 80-38-42; MOBILE: Airborne at altitude of 10700 meters, within 680 km, centered around NL 28-05-38; WL 80-38-42
- (2) Robins Air Force Base (HOUSTON), GA - NL 32-38-25; WL 86-35-31; MOBILE: Airborne at altitude of 10700 meters, within 680 km, centered around NL 32-38-25; WL 86-35-31
- (3) Hickam Air Force Base (HONOLULU), HI - NL 21-18-58; WL 157-55-36; MOBILE: Airborne at altitude of 10700 meters, within 680 km, centered around NL 21-18-58; WL 157-55-36
- (4) Norfolk (GLOUCESTER), VA - NL 36-50-09; WL 76-15-01; MOBILE: Airborne at altitude of 10700 meters, within 680 km, centered around NL 36-50-09; WL 76-15-01

Frequency Information

Melbourne (BREVARD), FL - NL 28-05-38; WL 80-38-42; MOBILE: Airborne at altitude of 10700 meters, within 680 km, cente

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
440.75 MHz	MO	6M00G1D	75 W (ERP)	

This authorization effective August 15, 2005 and
will expire 3:00 A.M. EST February 16, 2006

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Melbourne (BREVARD), FL - NL 28-05-38; WL 80-38-42; MOBILE: Airborne at altitude of 10700 meters, within 680 km, center

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
440.75 MHz	FX	6M00G1D	16 W (ERP)	
443.75 MHz	MO	6M00G1D	75 W (ERP)	
443.75 MHz	FX	6M00G1D	16 W (ERP)	
446.75 MHz	MO	6M00G1D	75 W (ERP)	
446.75 MHz	FX	6M00G1D	16 W (ERP)	
9800-9950 MHz	MO	800KG1D	19.5 kW (ERP)	
10150-10450 MHz	MO	21M4G1D	27 kW (ERP)	

Robins Air Force Base (HOUSTON), GA - NL 32-38-25; WL 86-35-31; MOBILE: Airborne at altitude of 10700 meters, within 6

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
440.75 MHz	MO	6M00G1D	75 W (ERP)	
440.75 MHz	FX	6M00G1D	16 W (ERP)	

Frequency Information

Robins Air Force Base (HOUSTON), GA - NL 32-38-25; WL 86-35-31; MOBILE: Airborne at altitude of 10700 meters, within 6

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
443.75 MHz	MO	6M00G1D	75 W (ERP)	
443.75 MHz	FX	6M00G1D	16 W (ERP)	
446.75 MHz	MO	6M00G1D	75 W (ERP)	
446.75 MHz	FX	6M00G1D	16 W (ERP)	
9750-9950 MHz	MO	800KG1D	19.5 kW (ERP)	
10150-10450 MHz	MO	21M4G1D	27 kW (ERP)	

Hickam Air Force Base (HONOLULU), HI - NL 21-18-58; WL 157-55-36; MOBILE: Airborne at altitude of 10700 meters, within 6

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
440.75 MHz	MO	6M00G1D	75 W (ERP)	
440.75 MHz	FX	6M00G1D	16 W (ERP)	
443.75 MHz	MO	6M00G1D	75 W (ERP)	

Frequency Information

Hickam Air Force Base (HONOLULU), HI - NL 21-18-58; WL 157-55-36; MOBILE: Airborne at altitude of 10700 meters, within

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
443.75 MHz	FX	6M00G1D	16 W (ERP)	
446.75 MHz	MO	6M00G1D	75 W (ERP)	
446.75 MHz	FX	6M00G1D	16 W (ERP)	
9750-9950 MHz	MO	800KG1D	19.5 kW (ERP)	
10150-10450 MHz	MO	21M4G1D	27 kW (ERP)	

Norfolk (GLOUCESTER), VA - NL 36-50-09; WL 76-15-01; MOBILE: Airborne at altitude of 10700 meters, within 680 km, cen

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
440.75 MHz	MO	6M00G1D	75 W (ERP)	
440.75 MHz	FX	6M00G1D	16 W (ERP)	
443.75 MHz	MO	6M00G1D	75 W (ERP)	
443.75 MHz	FX	6M00G1D	16 W (ERP)	

Frequency Information

Norfolk (GLOUCESTER), VA - NL 36-50-09; WL 76-15-01; MOBILE: Airborne at altitude of 10700 meters, within 680 km, cen

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
446.75 MHz	MO	6M00G1D	75 W (ERP)	
446.75 MHz	FX	6M00G1D	16 W (ERP)	
9750-9950 MHz	MO	800KG1D	19.5 kW (ERP)	
10150-10450 MHz	MO	21M4G1D	27 kW (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) The band 9750-9800 MHz is not authorized for use in the Melbourne, FL area.
- (4) The U.S. Air Force concurs with the Melbourne, FL request strictly on a non-interference basis. Prior to the start of operations, the licensee must provide a stop buzzer POC to Dick Akers at (321) 494-5838.
- (5) The U.S. Navy has no objection to frequency use as proposed provided coordination is accomplished with the appropriate DoD Area Frequency Coordinator prior to commencing operation. The appropriate AFCs for each location are as follows:

Station Location:	DoD Area Frequency Coordinator:
Robins AFB, GA	Gulf Area Frequency Coordinator (904) 882-4416
Melbourne, FL	Eastern Area Frequency Coordinator (305) 494-5366
Norfolk, VA	JFMO Lant (757) 836-8006
Hickam AFB, HI	JFMO Pac (808) 477-1053

- (6) If any further extensions of this experiment are needed, then an application for a regular experimental license should be submitted as opposed to requesting another experimental Special Temporary Authorization (STA).