

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

EXPERIMENTAL

(Nature of Service)

WF9XOR

(Call Sign)

XT FX MO

(Class of Station)

0670-EX-ST-2012

(File Number)

NAME General Dynamics C4 Systems

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:

Over-the-air testing of a software defined radio. Additional testing is required to prove-out the radio waveform in an outdoor environment with multi-path and noise sources.

Station Locations

(1) Scottsdale (MARICOPA), AZ - NL 33-27-34; WL 111-54-15; MOBILE: , within 16 km

Frequency Information

Scottsdale (MARICOPA), AZ - NL 33-27-34; WL 111-54-15; MOBILE: , within 16 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1370-1390 MHz	FX	5M00G7D	40 W (ERP)	0.00015 %
1370-1390 MHz	MO	5M00G7D	40 W (ERP)	0.00015 %
1755-1850 MHz	FX	5M00G7D	40 W (ERP)	0.00015 %

This authorization effective September 28, 2012 and
will expire 3:00 A.M. EST March 28, 2013

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Scottsdale (MARICOPA), AZ - NL 33-27-34; WL 111-54-15; MOBILE: , within 16 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1755-1850 MHz	MO	5M00G7D	40 W (ERP)	0.00015 %

Special Conditions:

- (1) Stop buzzer P.O.C. information must be provided to HQ ANG/SMSgt Hergenrader (240) 612-7478) prior to the test.
- (2) The band 1755-1850 MHz is being seriously considered by NTIA for transfer to the FCC within the next 10 years. This operation will have to move and suggest that testing be done in the band 4400/4940 MHz.
- (3) This system shall be limited to ground operations.
- (4) Fixed and Mobile communications in the 1370-1390 MHz band is limited to DOD users only, while this system is for non-DOD.
- (5) The following frequencies must be notched out:
 - a. 1768.4 MHz +/- 2 MHz
 - b. 1816.4 MHz +/- 2 MHz