

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WG2XAG

(Call Sign)

0428-EX-PL-2011

(File Number)

NAME General Dynamics-Advanced Information Systems

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(b) of the Commission's Rules

Station Locations

- (1) MOBILE: Ypsilanti, MI, within 2 km, centered around NL 42-13-06; WL 83-37-46
- (2) MOBILE: Bloomington, MN, within 2 km, centered around NL 44-50-34; WL 93-18-42
- (3) MOBILE: Tucson, AZ, within 2 km, centered around NL 32-13-26; WL 110-51-30
- (4) MOBILE: Austin, TX, within 2 km, centered around NL 30-22-57; WL 97-44-41

Frequency Information

MOBILE: Ypsilanti, MI, within 2 km, centered around NL 42-13-06; WL 83-37-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	MO	4M00F1D 5M00F1D 990KF1D 4M00D1D 5M00D1D 990KD1D	1 W (Output Power)	0.0001 %
1379 MHz	MO	4M00F1D 5M00F1D 990KF1D	1 W (Output Power)	0.0001 %

This authorization effective June 18, 2012 and
will expire 3:00 A.M. EST January 01, 2014

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Ypsilanti, MI, within 2 km, centered around NL 42-13-06; WL 83-37-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1379 MHz	MO	4M00D1D 5M00D1D 990KD1D	1 W (Output Power)	0.0001 %
1387 MHz	MO	4M00F1D 5M00F1D 990KF1D 4M00D1D 5M00D1D 990KD1D	1 W (Output Power)	0.0001 %
1755-1850 MHz	MO	4M00F1D 5M00F1D 990KF1D 4M00D1D 5M00D1D 990KD1D	1 W (Output Power)	0.0001 %

MOBILE: Bloomington, MN, within 2 km, centered around NL 44-50-34; WL 93-18-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	MO	4M00F1D 5M00F1D 990KF1D 4M00D1D 5M00D1D 990KD1D	1 W (Output Power)	0.0001 %

Frequency Information

MOBILE: Bloomington, MN, within 2 km, centered around NL 44-50-34; WL 93-18-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1379 MHz	MO	4M00F1D 5M00F1D 990KF1D 4M00D1D 5M00D1D 990KD1D	1 W (Output Power)	0.0001 %
1387 MHz	MO	5M00D1D 4M00D1D 990KF1D 5M00F1D 4M00F1D 990KD1D	1 W (Output Power)	0.0001 %
1755-1850 MHz	MO	4M00F1D 5M00F1D 990KF1D 4M00D1D 5M00D1D 990KD1D	1 W (Output Power)	0.0001 %

MOBILE: Tucson, AZ, within 2 km, centered around NL 32-13-26; WL 110-51-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	MO	4M00F1D 5M00F1D 990KF1D 4M00D1D 5M00D1D	1 W (Output Power)	0.0001 %

Frequency Information

MOBILE: Tucson, AZ, within 2 km, centered around NL 32-13-26; WL 110-51-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	MO	990KD1D	1 W (Output Power)	0.0001 %
1350-1390 MHz	MO	4M00F1D 5M00F1D 990KF1D 4M00D1D 5M00D1D 990KD1D	1 W (Output Power)	0.0001 %
1755-1850 MHz	MO	4M00F1D 5M00F1D 990KF1D 4M00D1D 5M00D1D 990KD1D	1 W (Output Power)	0.0001 %

MOBILE: Austin, TX, within 2 km, centered around NL 30-22-57; WL 97-44-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	MO	4M00F1D 5M00F1D 990KF1D 4M00D1D 5M00D1D 990KD1D	1 W (Output Power)	0.0001 %
1379 MHz	MO	4M00F1D 5M00F1D	1 W (Output Power)	0.0001 %

Frequency Information

MOBILE: Austin, TX, within 2 km, centered around NL 30-22-57; WL 97-44-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1379 MHz	MO	990KF1D 4M00D1D 5M00D1D 990KD1D	1 W (Output Power)	0.0001 %
1387 MHz	MO	4M00F1D 5M00F1D 990KF1D 4M00D1D 5M00D1D 990KD1D	1 W (Output Power)	0.0001 %
1755-1850 MHz	MO	4M00F1D 5M00F1D 990KF1D 4M00D1D 5M00D1D 990KD1D	1 W (Output Power)	0.0001 %

Special Conditions:

- (1) Assignment in frequency bands 960-1400, 2700-2900, or 9000-9200 MHz was coordinated prior to authorization with the FAA Southwest Coordinator, Ft. Worth, TX. Use of frequencies under the authority of this assignment is subject to such further coordination with the FAA Southwest Coordinator, Ft. Worth, TX, as necessary to ensure compatibility with existing uses.
- (2) Assignment in frequency bands 960-1400, 2700-2900, or 9000-9200 MHz was coordinated prior to authorization with the FAA Great Lakes Coordinator, Des Plaines, IL. Use of frequencies under the authority of this assignment is subject to such further coordination with the FAA Great Lakes Coordinator, Des Plaines, IL, as necessary to ensure compatibility with existing uses.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) The occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

Special Conditions:

- (5) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by DARPA contract no. HR0011-09-C-0111. 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.