

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

EXPERIMENTAL

(Nature of Service)

WE9XNL

(Call Sign)

XT MO

(Class of Station)

0369-EX-ST-2010

(File Number)

NAME General Dynamics Armament and Technical Products, Inc.

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:

Testing of fully digital data links for small UAS to allow for higher concentrations of UAVs operating in the same battle space.

Station Locations

- (1) MOBILE: Temporary Fixed Locations (Ground) within 1 km of Specified Centerpoint Coordinates (Ft. Jackson - Eastover, SC), within 1 km, centered around NL 34-01-01; WL 80-43-13
- (2) MOBILE: Mobile (Airborne) Operations within 20 km of Specified Centerpoint Coordinates (SC), within 20 km, centered around NL 34-01-01; WL 80-43-13
- (3) MOBILE: Temporary Fixed Locations (Ground) within 1km of Specified Centerpoint Coordinates (Ethan Allen Firing Range - Jericho, VT), within 1 km, centered around NL 44-28-42; WL 72-56-57
- (4) MOBILE: Mobile (Airborne) Operations within 7 km of Specified Centerpoint Coordinates (VT), within 7 km, centered around NL 44-28-42; WL 72-56-57

Frequency Information

MOBILE: Temporary Fixed Locations (Ground) within 1 km of Specified Centerpoint Coordinates (Ft. Jackson - Eastover, SC), within 1 km, centered around NL 34-01-01; WL 80-43-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1760-1850 MHz	MO	9M58G1D 4M79G1D	0.1 W (ERP)	0.00015 %

This authorization effective September 10, 2010 and
will expire 3:00 A.M. EST March 10, 2011

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Temporary Fixed Locations (Ground) within 1 km of Specified Centerpoint Coordinates (Ft. Jackson - Eastover, SC), within 1 km, centered around NL 34-01-01; WL 80-43-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1760-1850 MHz	MO	2M40G1D 18M5F9W	0.1 W (ERP)	0.00015 %
1760-1850 MHz	MO	9M58G1D 4M79G1D 2M40G1D 18M5F9W	10.12 W (ERP)	0.00015 %
2202-2290 MHz	MO	9M58G1D 4M79G1D 2M40G1D 18M5F9W	0.1 W (ERP)	0.00015 %
2202-2290 MHz	MO	9M58G1D 4M79G1D 2M40G1D 18M5F9W	10.12 W (ERP)	0.00015 %

MOBILE: Mobile (Airborne) Operations within 20 km of Specified Centerpoint Coordinates (SC), within 20 km, centered around NL 34-01-01; WL 80-43-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1760-1850 MHz	MO	9M58G1D 4M79G1D 2M40G1D 18M5F9W	0.91 W (ERP)	0.00015 %

Frequency Information

MOBILE: Mobile (Airborne) Operations within 20 km of Specified Centerpoint Coordinates (SC), within 20 km, centered around NL 34-01-01; WL 80-43-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2202-2290 MHz	MO	9M58G1D 4M79G1D 2M40G1D 18M5F9W	0.91 W (ERP)	0.00015 %

MOBILE: Temporary Fixed Locations (Ground) within 1km of Specified Centerpoint Coordinates (Ethan Allen Firing Range - Jericho, VT), within 1 km, centered around NL 44-28-42; WL 72-56-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1760-1850 MHz	MO	9M58G1D 4M79G1D 2M40G1D 18M5F9W	0.1 W (ERP)	0.00015 %
1760-1850 MHz	MO	9M58G1D 4M79G1D 2M40G1D 18M5F9W	10.12 W (ERP)	0.00015 %
2202-2290 MHz	MO	9M58G1D 4M79G1D 2M40G1D 18M5F9W	0.1 W (ERP)	0.00015 %
2202-2290 MHz	MO	9M58G1D 4M79G1D 2M40G1D	10.12 W (ERP)	0.00015 %

Frequency Information

MOBILE: Temporary Fixed Locations (Ground) within 1km of Specified Centerpoint Coordinates (Ethan Allen Firing Range - Jericho, VT), within 1 km, centered around NL 44-28-42; WL 72-56-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2202-2290 MHz	MO	18M5F9W	10.12 W (ERP)	0.00015 %

MOBILE: Mobile (Airborne) Operations within 7 km of Specified Centerpoint Coordinates (VT), within 7 km, centered around NL 44-28-42; WL 72-56-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1760-1850 MHz	MO	9M58G1D 4M79G1D 2M40G1D 18M5F9W	0.91 W (ERP)	0.00015 %
2202-2290 MHz	MO	9M58G1D 4M79G1D 2M40G1D 18M5F9W	0.91 W (ERP)	0.00015 %

Special Conditions:

- (1) Licensee shall insure that operations are within FAA approved Certificate of Authorization (COA).