

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

EXPERIMENTAL

(Nature of Service)

WD9XPW

(Call Sign)

XT MO

(Class of Station)

0552-EX-ST-2008

(File Number)

NAME General Atomics

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:

Use of ultra wideband technologies for accurate, consistent and effective ranging technology for tracking mine personnel and moving equipment.

Station Locations

- (1) MOBILE: Borrego Springs, CA, within 1 km, centered around NL 33-20-00; WL 116-16-00
- (2) MOBILE: San Diego, CA, within 0.2 km, centered around NL 32-53-46; WL 117-14-00
- (3) MOBILE: San Diego, CA, within 0.2 km, centered around NL 32-54-20; WL 117-10-34

Frequency Information

MOBILE: Borrego Springs, CA, within 1 km, centered around NL 33-20-00; WL 116-16-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.33-3.63 GHz	MO	300MM1D	80 mW (ERP)	
3.87-4.17 GHz	MO	300MM1D	80 mW (ERP)	

This authorization effective November 01, 2008 and
will expire 3:00 A.M. EST May 01, 2009

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Borrego Springs, CA, within 1 km, centered around NL 33-20-00; WL 116-16-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.97-6.27 GHz	MO	300MM1D	80 mW (ERP)	
6.81-7.11 GHz	MO	300MM1D	80 mW (ERP)	

MOBILE: San Diego, CA, within 0.2 km, centered around NL 32-53-46; WL 117-14-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.33-3.63 GHz	MO	300MM1D	80 mW (ERP)	
3.87-4.17 GHz	MO	300MM1D	80 mW (ERP)	
5.97-6.27 GHz	MO	300MM1D	80 mW (ERP)	
6.81-7.11 GHz	MO	300MM1D	80 mW (ERP)	

MOBILE: San Diego, CA, within 0.2 km, centered around NL 32-54-20; WL 117-10-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.33-3.63 GHz	MO	300MM1D	80 mW (ERP)	

Frequency Information

MOBILE: San Diego, CA, within 0.2 km, centered around NL 32-54-20; WL 117-10-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.87-4.17 GHz	MO	300MM1D	80 mW (ERP)	
5.97-6.27 GHz	MO	300MM1D	80 mW (ERP)	
6.81-7.11 GHz	MO	300MM1D	80 mW (ERP)	

Special Conditions:

- (1) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9247 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir@sbe.org; information, www.sbe.org.
- (2) Operation is subject to coordination with Fixed Point to Point Microwave licensees.
- (3) Operation is NOT permitted in the frequency band 4.41-4.71 GHz due to interference to federal operations.