

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WC9XCY

(Call Sign)

0815-EX-ST-2006

(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:

Testing UWB data links to support US government applications.

Station Locations

- (1) MOBILE: Southern California, within 0.3 km, centered around NL 32-54-00; WL 117-13-55
- (2) MOBILE: Southern California, within 0.3 km, centered around NL 33-01-07; WL 117-05-40
- (3) MOBILE: Southern California, within 0.3 km, centered around NL 32-54-16; WL 117-10-30
- (4) MOBILE: Southern California, within 0.3 km, centered around NL 34-37-00; WL 117-36-00
- (5) MOBILE: Southern California, within 0.3 km, centered around NL 34-34-00; WL 117-41-00

Frequency Information

MOBILE: Southern California, within 0.3 km, centered around NL 32-54-00; WL 117-13-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.21-3.75 GHz	MO	550MQ1D	80 mW (ERP)	0.01 %

This authorization effective November 30, 2006 and
will expire 3:00 A.M. EST May 30, 2007

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Southern California, within 0.3 km, centered around NL 32-54-00; WL 117-13-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.75-4.29 GHz	MO	550MQ1D	80 mW (ERP)	0.01 %
4.29-4.83 GHz	MO	550MQ1D	80 mW (ERP)	0.01 %
5.85-6.39 GHz	MO	550MQ1D	80 mW (ERP)	0.01 %
6.69-7.125 GHz	MO	550MQ1D	80 mW (ERP)	0.01 %

MOBILE: Southern California, within 0.3 km, centered around NL 33-01-07; WL 117-05-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.21-3.75 GHz	MO	550MQ1D	80 mW (ERP)	0.01 %
3.75-4.29 GHz	MO	550MQ1D	80 mW (ERP)	0.01 %
4.29-4.83 GHz	MO	550MQ1D	80 mW (ERP)	0.01 %
5.85-6.39 GHz	MO	550MQ1D	80 mW (ERP)	0.01 %
6.69-7.125 GHz	MO	550MQ1D	80 mW (ERP)	0.01 %

Frequency Information

MOBILE: Southern California, within 0.3 km, centered around NL 32-54-16; WL 117-10-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.21-3.75 GHz	MO	550MQ1D	80 mW (ERP)	0.01 %
3.75-4.29 GHz	MO	550MQ1D	80 mW (ERP)	0.01 %
4.29-4.83 GHz	MO	550MQ1D	80 mW (ERP)	0.01 %
5.85-6.39 GHz	MO	550MQ1D	80 mW (ERP)	0.01 %
6.69-7.125 GHz	MO	550MQ1D	80 mW (ERP)	0.01 %

MOBILE: Southern California, within 0.3 km, centered around NL 34-37-00; WL 117-36-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.21-3.75 GHz	MO	550MQ1D	80 mW (ERP)	0.01 %
3.75-4.29 GHz	MO	550MQ1D	80 mW (ERP)	0.01 %
4.29-4.83 GHz	MO	550MQ1D	80 mW (ERP)	0.01 %
5.85-6.39 GHz	MO	550MQ1D	80 mW (ERP)	0.01 %

Frequency Information

MOBILE: Southern California, within 0.3 km, centered around NL 34-37-00; WL 117-36-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6.69-7.125 GHz	MO	550MQ1D	80 mW (ERP)	0.01 %

MOBILE: Southern California, within 0.3 km, centered around NL 34-34-00; WL 117-41-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.21-3.75 GHz	MO	550MQ1D	80 mW (ERP)	0.01 %
3.75-4.29 GHz	MO	550MQ1D	80 mW (ERP)	0.01 %
4.29-4.83 GHz	MO	550MQ1D	80 mW (ERP)	0.01 %
5.85-6.39 GHz	MO	550MQ1D	80 mW (ERP)	0.01 %
6.69-7.125 GHz	MO	550MQ1D	80 mW (ERP)	0.01 %

Special Conditions:

- (1) Licensee must schedule testing with the Western Area Frequency Coordinator at Point Mugu, CA (808) 989-7983, 30 days prior to testing. Use of 3750-4300 MHz band does not require coordination with WAFC.
- (2) Power exceeds Part 15 limits by 60 dB, therefore the licensee is advised that development of this system that crosses federal government and FCC exclusive bands will be difficult to license if used in the United States and Possessions.
- (3) Transmissions above 7125 MHz are not permitted.