

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

EXPERIMENTAL

(Nature of Service)

WG9XKZ

(Call Sign)

XT FX MO

(Class of Station)

0115-EX-ST-2013

(File Number)

NAME Advanced Acoustic Concepts, LLC

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:

Please See Exhibit 1

Station Locations

- (1) Columbia, MD - NL 39-10-31; WL 76-48-25
- (2) MOBILE: Temporary Fixed (Ground) Operations, within 0.3 km, centered around NL 39-00-47; WL 76-23-55
- (3) MOBILE: Mobile Operations (Sea), within 9.3 km, centered around NL 39-04-42; WL 76-20-28
- (4) MOBILE: Temporary Fixed (Ground) Operations, within 0.1 km, centered around NL 39-56-12; WL 79-39-55
- (5) MOBILE: Temporary Fixed (Ground) Operations, within 0.5 km, centered around NL 34-09-12; WL 119-12-35
- (6) MOBILE: Temporary Fixed (Ground) Operations, within 1.6 km, centered around NL 34-19-46; WL 119-23-59
- (7) MOBILE: Mobile Operations (Sea), within 14.8 km, centered around NL 34-17-57; WL 119-26-16

This authorization effective April 19, 2013 and
will expire 3:00 A.M. EST September 16, 2013

**FEDERAL
COMMUNICATIONS
COMMISSION**

Frequency Information

Columbia, MD - NL 39-10-31; WL 76-48-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2200.00000000-2300.00000000 MHz	FX	20M0G2D 20M0D2D	40.000000 W (ERP)	

MOBILE: Temporary Fixed (Ground) Operations, within 0.3 km, centered around NL 39-00-47; WL 76-23-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2200.00000000-2300.00000000 MHz	MO	20M0G2D 20M0D2D	100.000000 W (ERP)	

MOBILE: Mobile Operations (Sea), within 9.3 km, centered around NL 39-04-42; WL 76-20-28

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2200.00000000-2300.00000000 MHz	MO	20M0G2D 20M0D2D	100.000000 W (ERP)	

MOBILE: Temporary Fixed (Ground) Operations, within 0.1 km, centered around NL 39-56-12; WL 79-39-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2200.00000000-2300.00000000 MHz	MO	20M0G2D 20M0D2D	40.000000 W (ERP)	

Frequency Information

MOBILE: Temporary Fixed (Ground) Operations, within 0.5 km, centered around NL 34-09-12; WL 119-12-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2200.00000000-2300.00000000 MHz	MO	20M0G2D 20M0D2D	40.000000 W (ERP)	

MOBILE: Temporary Fixed (Ground) Operations, within 1.6 km, centered around NL 34-19-46; WL 119-23-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2200.00000000-2300.00000000 MHz	MO	20M0G2D 20M0D2D	100.000000 W (ERP)	

MOBILE: Mobile Operations (Sea), within 14.8 km, centered around NL 34-17-57; WL 119-26-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2200.00000000-2300.00000000 MHz	MO	20M0G2D 20M0D2D	100.000000 W (ERP)	

Special Conditions:

- (1) Advanced Acoustic Concepts must notch out the following frequencies while operating in the Columbia, Annapolis and Chesapeake Bay, Maryland area:
 - a. 2214 - 2216 MHz band
 - b. 2284 - 2286 MHz band
 - c. Coordinate with Lee Joyce, 757-864-6737, lee.joyce@nasa.gov prior to any operations within the above areas.
 - d. Coordinate with Scott Galbraith, 301-286-5089, Vincent.s.galbraith@nasa.gov for operations within 200 km of Laurel, Maryland.
- (2) To protect federal operations at PT. Mugu, CA, Advanced Acoustic Concepts must coordinate with the Western Area Frequency Coordinator (WAFC) at 760-939-0385 prior to any operations around the Port Hueneme and Ventura, CA areas.