

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

EXPERIMENTAL

(Nature of Service)

XC FX

(Class of Station)

WA8XCX

(Call Sign)

0687-EX-ST-2026

(File Number)

NAME Applied Research Associates

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:

CWI testing is being carried out in support of a contract with the Defense Threat Reduction Agency (DTRA)

Station Locations

(1) White Sands Missile Range (DONA ANA), NM - NL 32-20-45; WL 106-26-59

Frequency Information

White Sands Missile Range (DONA ANA), NM - NL 32-20-45; WL 106-26-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
0.1-1000 MHz	FX	NON	630 W (ERP)	0.001 %

Special Conditions:

- (1) Experimental licensee must notify the 600 Megahertz Band licensees (Service Code: WT) in the proposed area prior to accessing to the frequency range from 614 MHz to 698 MHz.
- (2) Experimental licensee must coordinate with the local Society of Broadcast Engineers frequency coordinator in the proposed area prior to commencing test operations. Consult the list at <http://sbe.org/resources/frequency-coordination/> to find the appropriate coordinator.

This authorization effective September 01, 2026 and
will expire 3:00 A.M. EST January 29, 2027

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (3) Experimental licensee must coordinate with the Fixed Microwave Service licensees in the proposed venue prior to performing test operations.
- (4) Experimental licensee is strictly prohibited from operating in the following frequency bands:
 - 5.900-6.200 MHz,
 - 7.200-7.450 MHz,
 - 9.400-9.900 MHz,
 - 11.600-12.100 MHz,
 - 13.570-13.870 MHz,
 - 15.100-15.800 MHz,
 - 17.480-17.900 MHz,
 - 18.900-19.020 MHz,
 - 21.450-21.850 MHz,
 - 25.670-26.100 MHz
- (5) Experimental licensee is strictly prohibited from operating in both of the FirstNet frequency bands 758-769 MHz and 788-799 MHz.
- (6) Stop Buzzer Point of Contact
 - Mr. Kyle Lyke
 - Office: (210) 681-8208 Ext. 3
 - Cell: (845) 803-4030
 - Email: klyke@ara.com

 - Mr. Steven Niederhaus
 - Office: (210) 681-8208 Ext. 1
 - Cell: (210) 721-2265
 - Email: sniederhaus@ara.com

 - Dr. Jonathan Morrow-Jones
 - Office: (919) 582-3460
 - Cell: (805) 570-7393
 - Email: jmorrow-jones@ara.com
- (7) No automatic renewal for operations in the 0.1-1000 MHz band.

Special Conditions:

- (8) Prior to commencing any operations in the following frequency bands, the experimental licensee must notify and provide Stop Buzzer contact to all licensees authorized for operation within these bands and located within 50 miles of the contours of the testing area.
- a. Paging Service licensees in 35 MHz
 - b. Paging Service licensees in 43 MHz
 - c. Paging Service licensees in 152 MHz
 - d. Paging Service licensees in 158 MHz
 - e. Mobile Service licensees in 152 MHz/158 MHz
 - f. AMTS Licensee (217-218 MHz/219-220 MHz)
 - g. 218-219 MHz Service licensees
 - h. 220-222 MHz Service licensees
 - i. Mobile and Fixed Service licensees in 454 MHz/459 MHz
 - j. General Aviation Air-Ground Service in 454 MHz/459 MHz
 - k. 700 MHz Lower Band licensees (698-746 MHz)
 - l. 700 MHz Upper Band licensees (746-758 MHz, 775-788 MHz and 805-806 MHz)
 - m. SMR/ESMR licensees (809-824 MHz/854-869 MHz)
 - n. B/ILT licensees (809-824 MHz/854-869 MHz)
 - o. Cellular licensees (824-849 MHz/869-894 MHz)
 - p. Commercial Air-Ground licensee (849-851 MHz/894-896 MHz)
 - q. SMR licensees (896-901 MHz/935-940 MHz)
 - r. B/ILT licensees (896-901 MHz/935-940 MHz)
 - s. Narrowband PCS licensees (901-902/930-931/940-941 MHz)
 - t. Location & Monitoring Service licensees (902-928 MHz)
 - u. Paging Service licensees in 929 MHz and 931 MHz
- (9) Applied Research Associates must exclude and may not transmit in the following band(s):
- a. 73 - 74.6 MHz,
 - b. 400.15 - 407.643 MHz,
 - c. 413.245 - 415.155 MHz,
 - d. 416.145 - 418.055 MHz, and
 - e. 608 - 614 MHz.

Special Conditions:

- (10) Applied Research Associates must exclude and may not transmit on the following spot frequencies:
- a.(+/- 1.4 kHz) 3429.4 kHz, 4053.6 kHz, 4056.4 kHz, 4623.6 kHz, 4626.4 kHz, 5861.4 kHz, 6868.6 kHz, 6871.4 kHz, 7473.6 kHz, 7476.4 kHz, 7609.6 kHz, 7612.4 kHz, 8123.6 kHz, 8126.4 kHz, 9912.6 kHz, 9915.4 kHz, 11635.6 kHz, 11638.4 kHz, 13455.6 kHz, 13458.4 kHz, 15849.6 kHz, 15852.4 kHz, 16346.6 kHz, 16349.4 kHz, 19408.6 kHz, 19411.4 kHz, 20853.4 kHz, 24548.6 kHz, 24551.4 kHz
- b.(+/- 3 kHz) 4610 kHz, 4979 kHz, 5837 kHz, 7870 kHz, 10424 kHz, 11448 kHz, 12109 kHz, 13437 kHz, 16011 kHz, 18475 kHz, 20361 kHz, 23390 kHz
- c.(+/- .00415 MHz) 410.025 MHz, 419.025 MHz
- d.(+/- .00550 MHz) 166.175 MHz, 169.325 MHz, 172.175 MHz, 172.95 MHz, 409.800 MHz, 412.9375 MHz, 412.9875 MHz, 413.0375 MHz, 413.1125 MHz, 413.6 MHz, 414.0125 MHz, 414.6625 MHz
- e.(+/- .00725 MHz) 165.7625 MHz
- (11) Applied Research Associates must contact and coordinate with the WSMR sponsor, Mr. Jonathan Flores, jonathan.flores11.civ@army.mil, 575-678-8750 to schedule operations at least 96 hours prior to operations.
- (12) Applied Research Associates, prior to operations, must contact and coordinate with Mr. Robert Kolenic, robert.kolenic@usda.gov, 208-576-2858 and Mr. Justin Byars, justin.byars@usda.gov, 575-439-6015.
- (13) Applied Research Associates, Inc. should be aware that other stations may be licensed on and nearby these frequencies and if any interference occurs, they will be subject to immediate shut down.
- (14) Experimental licensee must notch out any public safety frequencies listed under Part 90.20 before testing.
- (15) Applied Research Associates, Inc. (ARA) Technical Points of Contact:
- Mr. Kyle Lyke
Office:(210) 681-8208 Ext. 3
Cell:(845) 803-4030
Email: klyke@ara.com
- Mr. Steven Niederhaus
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