

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

EXPERIMENTAL

(Nature of Service)

WF9XXU

(Call Sign)

XT MO

(Class of Station)

0667-EX-ST-2012

(File Number)

NAME ManTech Advanced Systems International, 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:

Evaluate the performance of Through the Wall Sensors in laboratory and mobile operational environments and to investigate the use of these systems in law enforcement scenarios.

Station Locations

- (1) MOBILE: 1000 Technology Dr. Fairmont WV 26554, within 1 km, centered around NL 39-25-53; WL 80-11-37
- (2) MOBILE: US 250 Pruntytown, WV, within 0.25 km, centered around NL 39-19-54; WL 80-04-33
- (3) MOBILE: 3741 Morgantown Industrial Park, Morgantown, WV 26501, within 0.1 km, centered around NL 39-36-32; WL 79-58-33
- (4) MOBILE: 2900 University Parkway Lawrenceville, GA 30043, within 1 km, centered around NL 33-58-52; WL 83-58-46
- (5) MOBILE: 854 Winder Hwy., Lawrenceville, GA, 30049, within 0.75 km, centered around NL 33-58-11; WL 83-57-11
- (6) MOBILE: 12501 Montana Avenue, El Paso, TX 79938, within 1 km, centered around NL 31-48-30; WL 106-15-17
- (7) MOBILE: 18000 Institution Road, Devore, California 92407, within 1 km, centered around NL 34-10-41; WL 117-23-06
- (8) MOBILE: 4600 West Ox Road Fairfax, VA 22030, within 1 km, centered around NL 38-51-16; WL 77-22-28
- (9) MOBILE: 135 Academy Drive, Dunbar, WV 25064, within 1 km, centered around NL 38-22-52; WL 81-45-29
- (10) MOBILE: County Route 83/16, Eskdale, WV 25075, within 1 km, centered around NL 38-08-06; WL 81-24-33

This authorization effective October 16, 2012 and
will expire 3:00 A.M. EST March 08, 2013

**FEDERAL
COMMUNICATIONS
COMMISSION**



Station Locations

- (11) MOBILE: 201 North Shartel, Oklahoma City, OK 73102, within 0.5 km, centered around NL 35-28-11; WL 97-31-37
- (12) MOBILE: Stevensville, MD 21666, within 1 km, centered around NL 38-58-31; WL 76-19-44
- (13) MOBILE: 810 7th Street, NW, Washington, DC 20531, within 0.2 km, centered around NL 38-54-02; WL 77-01-20
- (14) MOBILE: 655 East Third Street, San Bernardino, CA. 92415, within 0.25 km, centered around NL 34-06-15; WL 117-16-23
- (15) MOBILE: 10750 Ulmerton Road Largo, FL 33778, within 0.75 km, centered around NL 27-53-40; WL 82-47-23
- (16) MOBILE: 4141 Pinnacle, Ste 120, El Paso, TX 79902, within 0.1 km, centered around NL 31-47-40; WL 106-30-53
- (17) MOBILE: 180 Southside Ind pky, Atlanta, Georgia 30315, within 1 km, centered around NL 33-39-08; WL 84-23-01
- (18) MOBILE: 333 South Franklin Street, Tampa, FL, within 0.25 km, centered around NL 27-56-33; WL 82-27-22
- (19) MOBILE: 111 E Harbor Dr, San Diego CA. 92101, within 0.25 km, centered around NL 32-42-26; WL 117-09-47

Frequency Information

MOBILE: 1000 Technology Dr. Fairmont WV 26554, within 1 km, centered around NL 39-25-53; WL 80-11-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2436-2690 MHz	MO	NON	38.46 nW (ERP)	
2900-3300 MHz	MO	NON	38.46 nW (ERP)	
5250-5599 MHz	MO	NON	38.46 nW (ERP)	
5651-5925 MHz	MO	NON	38.46 nW (ERP)	

Frequency Information

MOBILE: US 250 Pruntytown, WV, within 0.25 km, centered around NL 39-19-54; WL 80-04-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2436-2690 MHz	MO	N0N	38.46 nW (ERP)	
2900-3300 MHz	MO	N0N	38.46 nW (ERP)	
5250-5599 MHz	MO	N0N	38.46 nW (ERP)	
5651-5925 MHz	MO	N0N	38.46 nW (ERP)	

MOBILE: 3741 Morgantown Industrial Park, Morgantown, WV 26501, within 0.1 km, centered around NL 39-36-32; WL 79-58-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2436-2690 MHz	MO	N0N	38.46 nW (ERP)	
2900-3300 MHz	MO	N0N	38.46 nW (ERP)	
5250-5599 MHz	MO	N0N	38.46 nW (ERP)	
5651-5925 MHz	MO	N0N	38.46 nW (ERP)	

Frequency Information

MOBILE: 2900 University Parkway Lawrenceville, GA 30043, within 1 km, centered around NL 33-58-52; WL 83-58-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2436-2690 MHz	MO	N0N	38.46 nW (ERP)	
2900-3300 MHz	MO	N0N	38.46 nW (ERP)	
5250-5599 MHz	MO	N0N	38.46 nW (ERP)	
5651-5925 MHz	MO	N0N	38.46 nW (ERP)	

MOBILE: 854 Winder Hwy., Lawrenceville, GA, 30049, within 0.75 km, centered around NL 33-58-11; WL 83-57-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2436-2690 MHz	MO	N0N	38.46 nW (ERP)	
2900-3300 MHz	MO	N0N	38.46 nW (ERP)	
5250-5599 MHz	MO	N0N	38.46 nW (ERP)	
5651-5925 MHz	MO	N0N	38.46 nW (ERP)	

Frequency Information

MOBILE: 12501 Montana Avenue, El Paso, TX 79938, within 1 km, centered around NL 31-48-30; WL 106-15-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2436-2690 MHz	MO	N0N	38.46 nW (ERP)	
2900-3300 MHz	MO	N0N	38.46 nW (ERP)	
5250-5599 MHz	MO	N0N	38.46 nW (ERP)	
5651-5925 MHz	MO	N0N	38.46 nW (ERP)	

MOBILE: 18000 Institution Road, Devore, California 92407, within 1 km, centered around NL 34-10-41; WL 117-23-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2436-2690 MHz	MO	N0N	38.46 nW (ERP)	
2900-3300 MHz	MO	N0N	38.46 nW (ERP)	
5250-5599 MHz	MO	N0N	38.46 nW (ERP)	
5651-5925 MHz	MO	N0N	38.46 nW (ERP)	

Frequency Information

MOBILE: 4600 West Ox Road Fairfax, VA 22030, within 1 km, centered around NL 38-51-16; WL 77-22-28

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2436-2690 MHz	MO	N0N	38.46 nW (ERP)	
2900-3300 MHz	MO	N0N	38.46 nW (ERP)	
5250-5599 MHz	MO	N0N	38.46 nW (ERP)	
5651-5925 MHz	MO	N0N	38.46 nW (ERP)	

MOBILE: 135 Academy Drive, Dunbar, WV 25064, within 1 km, centered around NL 38-22-52; WL 81-45-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2436-2690 MHz	MO	N0N	38.46 nW (ERP)	
2900-3300 MHz	MO	N0N	38.46 nW (ERP)	
5250-5599 MHz	MO	N0N	38.46 nW (ERP)	
5651-5925 MHz	MO	N0N	38.46 nW (ERP)	

Frequency Information

MOBILE: County Route 83/16, Eskdale, WV 25075, within 1 km, centered around NL 38-08-06; WL 81-24-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2436-2690 MHz	MO	N0N	38.46 nW (ERP)	
2900-3300 MHz	MO	N0N	38.46 nW (ERP)	
5250-5599 MHz	MO	N0N	38.46 nW (ERP)	
5651-5925 MHz	MO	N0N	38.46 nW (ERP)	

MOBILE: 201 North Shartel, Oklahoma City, OK 73102, within 0.5 km, centered around NL 35-28-11; WL 97-31-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2436-2690 MHz	MO	N0N	38.46 nW (ERP)	
2900-3300 MHz	MO	N0N	38.46 nW (ERP)	
5250-5599 MHz	MO	N0N	38.46 nW (ERP)	
5651-5925 MHz	MO	N0N	38.46 nW (ERP)	

Frequency Information

MOBILE: Stevensville, MD 21666, within 1 km, centered around NL 38-58-31; WL 76-19-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2436-2690 MHz	MO	N0N	38.46 nW (ERP)	
2900-3300 MHz	MO	N0N	38.46 nW (ERP)	
5250-5599 MHz	MO	N0N	38.46 nW (ERP)	
5651-5925 MHz	MO	N0N	38.46 nW (ERP)	

MOBILE: 810 7th Street, NW, Washington, DC 20531, within 0.2 km, centered around NL 38-54-02; WL 77-01-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2436-2690 MHz	MO	N0N	38.46 nW (ERP)	
2900-3300 MHz	MO	N0N	38.46 nW (ERP)	
5250-5599 MHz	MO	N0N	38.46 nW (ERP)	
5651-5925 MHz	MO	N0N	38.46 nW (ERP)	

Frequency Information

MOBILE: 655 East Third Street, San Bernardino, CA. 92415, within 0.25 km, centered around NL 34-06-15; WL 117-16-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2436-2690 MHz	MO	N0N	38.46 nW (ERP)	
2900-3300 MHz	MO	N0N	38.46 nW (ERP)	
5250-5599 MHz	MO	N0N	38.46 nW (ERP)	
5651-5925 MHz	MO	N0N	38.46 nW (ERP)	

MOBILE: 10750 Ulmerton Road Largo, FL 33778, within 0.75 km, centered around NL 27-53-40; WL 82-47-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2436-2690 MHz	MO	N0N	38.46 nW (ERP)	
2900-3300 MHz	MO	N0N	38.46 nW (ERP)	
5250-5599 MHz	MO	N0N	38.46 nW (ERP)	
5651-5925 MHz	MO	N0N	38.46 nW (ERP)	

Frequency Information

MOBILE: 4141 Pinnacle, Ste 120, El Paso, TX 79902, within 0.1 km, centered around NL 31-47-40; WL 106-30-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2436-2690 MHz	MO	N0N	38.46 nW (ERP)	
2900-3300 MHz	MO	N0N	38.46 nW (ERP)	
5250-5599 MHz	MO	N0N	38.46 nW (ERP)	
5651-5925 MHz	MO	N0N	38.46 nW (ERP)	

MOBILE: 180 Southside Ind pky, Atlanta, Georgia 30315, within 1 km, centered around NL 33-39-08; WL 84-23-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2436-2690 MHz	MO	N0N	38.46 nW (ERP)	
2900-3300 MHz	MO	N0N	38.46 nW (ERP)	
5250-5599 MHz	MO	N0N	38.46 nW (ERP)	
5651-5925 MHz	MO	N0N	38.46 nW (ERP)	

Frequency Information

MOBILE: 333 South Franklin Street, Tampa, FL, within 0.25 km, centered around NL 27-56-33; WL 82-27-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2436-2690 MHz	MO	N0N	38.46 nW (ERP)	
2900-3300 MHz	MO	N0N	38.46 nW (ERP)	
5250-5599 MHz	MO	N0N	38.46 nW (ERP)	
5651-5925 MHz	MO	N0N	38.46 nW (ERP)	

MOBILE: 111 E Harbor Dr, San Diego CA. 92101, within 0.25 km, centered around NL 32-42-26; WL 117-09-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2436-2690 MHz	MO	N0N	38.46 nW (ERP)	
2900-3300 MHz	MO	N0N	38.46 nW (ERP)	
5250-5599 MHz	MO	N0N	38.46 nW (ERP)	
5651-5925 MHz	MO	N0N	38.46 nW (ERP)	

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

Special Conditions:

- (2) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (3) NTIA authorizes the testing and law enforcement demonstrations in the following bands only:
 - a. 2436 – 2690 MHz
 - b. 2900 – 3300 MHz
 - c. 5250 – 5599 MHz
 - d. 5651 – 5925 MHz
- (4) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization Under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.