

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WJ9XFA

(Call Sign)

1200-EX-ST-2015

(File Number)

NAME NIITEK 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:

NIITEK seeks this STA to test and develop the latest generation of the DXD model to advance its GPR technology to significantly increase detection performance as well as interoperability

Station Locations

- (1) MOBILE: 23031 Ladbroke Drive Dulles, VA 20166, within 0.5 km, centered around NL 38-58-45; WL 77-29-03
- (2) MOBILE: 4205 Westinghouse Commons Charlotte, NC 28273, within 0.5 km, centered around NL 35-08-20; WL 80-58-31
- (3) MOBILE: 95 International Border San Luis, AZ 85349, within 0.5 km, centered around NL 32-29-07; WL 114-46-52
- (4) MOBILE: Otay Mesa, San Diego, CA, within 0.5 km, centered around NL 32-33-04; WL 116-56-24

Frequency Information

MOBILE: 23031 Ladbroke Drive Dulles, VA 20166, within 0.5 km, centered around NL 38-58-45; WL 77-29-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5-380 MHz	MO	1M00P0N	0.4 W (ERP)	0.0001 %

This authorization effective February 12, 2016 and
will expire 3:00 A.M. EST August 12, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: 4205 Westinghouse Commons Charlotte, NC 28273, within 0.5 km, centered around NL 35-08-20; WL 80-58-31

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
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MOBILE: Otay Mesa, San Diego, CA, within 0.5 km, centered around NL 32-33-04; WL 116-56-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5-380 MHz	MO	1M00P0N	0.4 W (ERP)	0.0001 %

Special Conditions:

- (1) Frequencies in the following aeronautical bands must not be utilized during the test:
74.6-75.4 MHz
328.6-335.4 MHz
- (2) Licensee must notch 108-137 MHz aviation bands.

Special Conditions:

- (3) 3.The following frequencies must not be utilized for this test:

ITU Radio Regulations protects the below listed Distress/Search and Rescue frequencies from any possible causes of interference.

M121.5	+/- 6KHz	AERO SAR
M123.1	+/- 6KHz	AERO SAR
M156.8	+/- 8KHz	Channel 16 International Calling and Distress
M156.525	+/- 8KHz	Channel 70 Digital Select Calling (DSC)
M161.975	+/- 10KHz	AIS I
M162.025	+/- 10 KHz	AIS II
M243.0	+/- 3KHz	Aeronautical Search and Rescue
M282.8	+/- 3KHz	Search and Rescue

- (4) All operations are to be conducted with antenna in a downward position

- (5) Licensee may operate in the following frequencies:

122.700-123.575 MHz

128.825-132.000 MHz

136.475-137.000 MHz