

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL
(Nature of Service)

WF2XTC
(Call Sign)

XD MO
(Class of Station)

0441-EX-PL-2010
(File Number)

NAME AAI / Textron Systems Corporation

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(c) of the Commission's Rules

Station Locations

- (1) MOBILE: Wallops Island (ACCOMACK), VA. at the NASA WALLOPS FLIGHT FACILITY TEST RANGE., within 90 km, centered around NL 37-56-27; WL 75-27-33
- (2) MOBILE: Blackstone (NOTTOWA), VA at the FORT PICKETT TEST RANGE., within 20 km, centered around NL 37-05-22; WL 77-52-55
- (3) MOBILE: Lexington (ST. MARYS), MD at the NAS PATUXENT RIVER TEST RANGE, within 80 km, centered around NL 38-08-45; WL 76-25-42
- (4) MOBILE: Yuma (YUMA), AZ at the YUMA PROVING GROUND., within 90 km, centered around NL 32-58-25; WL 114-16-19
- (5) MOBILE: New Handover (BURLINGTON), NJ at the FORT DIX ARMY TEST RANGE., within 20 km, centered around NL 40-00-53; WL 74-29-38
- (6) MOBILE: Salina (SALINA), KS at the Smoky Hill Air National Guard (ANG) Range., within 20 km, centered around NL 38-41-51; WL 97-51-00

Frequency Information

MOBILE: Wallops Island (ACCOMACK), VA. at the NASA WALLOPS FLIGHT FACILITY TEST RANGE., within 90 km, centered around NL 37-56-27; WL 75-27-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	MO	210KF1D	1 W (ERP)	3 %

This authorization effective May 17, 2011 and
will expire 3:00 A.M. EST June 01, 2013

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Wallops Island (ACCOMACK), VA. at the NASA WALLOPS FLIGHT FACILITY TEST RANGE., within 90 km, centered around NL 37-56-27; WL 75-27-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1755-1850 MHz	MO	7M00F8W	10 W (ERP)	5 %
4400-4940 MHz	MO	2M00F3F	5 W (ERP)	20 %

MOBILE: Blackstone (NOTTOWA), VA at the FORT PICKETT TEST RANGE., within 20 km, centered around NL 37-05-22; WL 77-52-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	MO	210KF1D	1 W (ERP)	3 %
1755-1850 MHz	MO	7M00F8W	10 W (ERP)	5 %
4400-4940 MHz	MO	2M00F3F	5 W (ERP)	20 %

MOBILE: Lexington (ST. MARYS), MD at the NAS PATUXENT RIVER TEST RANGE, within 80 km, centered around NL 38-08-45; WL 76-25-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	MO	210KF1D	1 W (ERP)	3 %
1755-1850 MHz	MO	7M00F8W	10 W (ERP)	5 %

Frequency Information

MOBILE: Lexington (ST. MARYS), MD at the NAS PATUXENT RIVER TEST RANGE, within 80 km, centered around NL 38-08-45; WL 76-25-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400-4940 MHz	MO	2M00F3F	5 W (ERP)	20 %

MOBILE: Yuma (YUMA), AZ at the YUMA PROVING GROUND., within 90 km, centered around NL 32-58-25; WL 114-16-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	MO	180KF1D	1 W (ERP)	3 %
1755-1850 MHz	MO	3M00F8W	10 W (ERP)	5 %
4400-4940 MHz	MO	2M00F3F	5 W (ERP)	20 %

MOBILE: New Handover (BURLINGTON), NJ at the FORT DIX ARMY TEST RANGE., within 20 km, centered around NL 40-00-53; WL 74-29-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	MO	210KF1D	1 W (ERP)	3 %
1755-1850 MHz	MO	7M00F8W	10 W (ERP)	5 %
4400-4940 MHz	MO	2M00F3F	5 W (ERP)	20 %

Frequency Information

MOBILE: Salina (SALINA), KS at the Smoky Hill Air National Guard (ANG) Range., within 20 km, centered around NL 38-41-51; WL 97-51-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	MO	210KF1D	1 W (ERP)	3 %
1755-1850 MHz	MO	7M00F8W	10 W (ERP)	5 %
4400-4940 MHz	MO	2M00F3F	5 W (ERP)	20 %

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by USMC, CSISC10-AAI Corp-0011-001. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (5) The designated point-of-contact to terminate transmissions if interference occurs is Mr. Michael Mercado, phone 240-925-4158.