

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

EXPERIMENTAL

(Nature of Service)

WE2XTJ

(Call Sign)

XC MO

(Class of Station)

0082-EX-ML-2009

(File Number)

NAME Mustang Technology Group, L.P.

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(b) of the Commission's Rules

Station Locations

- (1) MOBILE: 15 Km radius centered on Mustang Technology Group Howe Test Site, within 15 km, centered around NL 33-25-34; WL 96-34-26
- (2) MOBILE: 12 Km radius centered on Residence of VP of Mustang Technology Group, within 12 km, centered around NL 33-05-37; WL 96-33-35
- (3) MOBILE: 1 Km radius centered on Paintball Field in Roanoke TX, within 1 km, centered around NL 33-01-34; WL 97-14-27
- (4) MOBILE: Muenster, TX test location, within 15 km, centered around NL 33-46-02; WL 97-19-15
- (5) MOBILE: Jacobs Plain test site, within 15 km, centered around NL 33-15-45; WL 96-02-32

Frequency Information

MOBILE: 15 Km radius centered on Mustang Technology Group Howe Test Site, within 15 km, centered around NL 33-25-34; WL 96-34-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.5-5.55 GHz	MO	50M0P0N	20 W (ERP)	
5.6-5.638 GHz	MO	N0N	20 W (ERP)	

This authorization effective October 14, 2009 and
will expire 3:00 A.M. EST September 01, 2011

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: 15 Km radius centered on Mustang Technology Group Howe Test Site, within 15 km, centered around NL 33-25-34; WL 96-34-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.642-5.65 GHz	MO	N0N	20 W (ERP)	
5.7-5.8 GHz	MO	50M0P0N	20 W (ERP)	
5.85-5.9 GHz	MO	N0N	20 W (ERP)	
5.95-6 GHz	MO	50M0P0N	20 W (ERP)	

MOBILE: 12 Km radius centered on Residence of VP of Mustang Technology Group, within 12 km, centered around NL 33-05-37; WL 96-33-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.5-5.55 GHz	MO	50M0P0N	20 W (ERP)	
5.6-5.606 GHz	MO	N0N	20 W (ERP)	
5.61-5.638 GHz	MO	N0N	20 W (ERP)	
5.642-5.65 GHz	MO	N0N	20 W (ERP)	
5.7-5.8 GHz	MO	50M0P0N	20 W (ERP)	

Frequency Information

MOBILE: 12 Km radius centered on Residence of VP of Mustang Technology Group, within 12 km, centered around NL 33-05-37; WL 96-33-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.85-5.9 GHz	MO	N0N	20 W (ERP)	
5.95-6 GHz	MO	50M0P0N	20 W (ERP)	

MOBILE: 1 Km radius centered on Paintball Field in Roanoke TX, within 1 km, centered around NL 33-01-34; WL 97-14-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.5-5.55 GHz	MO	50M0P0N	20 W (ERP)	
5.615-5.635 GHz	MO	N0N	20 W (ERP)	
5.7-5.8 GHz	MO	50M0P0N	20 W (ERP)	
5.85-5.9 GHz	MO	N0N	20 W (ERP)	
5.95-6 GHz	MO	50M0P0N	20 W (ERP)	

Frequency Information

MOBILE: Muenster, TX test location, within 15 km, centered around NL 33-46-02; WL 97-19-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.5-5.55 GHz	MO	50M0P0N	20 W (ERP)	
5.6-5.65 GHz	MO	N0N	20 W (ERP)	
5.7-5.8 GHz	MO	50M0P0N	20 W (ERP)	
5.85-5.9 GHz	MO	N0N	20 W (ERP)	
5.95-6 GHz	MO	50M0P0N	20 W (ERP)	

MOBILE: Jacobs Plain test site, within 15 km, centered around NL 33-15-45; WL 96-02-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.5-5.55 GHz	MO	50M0P0N	20 W (ERP)	
5.6-5.65 GHz	MO	N0N	20 W (ERP)	
5.7-5.8 GHz	MO	50M0P0N	20 W (ERP)	
5.85-5.9 GHz	MO	N0N	20 W (ERP)	

Frequency Information

MOBILE: Jacobs Plain test site, within 15 km, centered around NL 33-15-45; WL 96-02-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.95-6 GHz	MO	50M0P0N	20 W (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) 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.
- (4) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the US Army contract number W911QX-05-D-0007. 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.