

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

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WE2XSK

(Call Sign)

0061-EX-ML-2010

(File Number)

NAME Mustang Technology Group, LP

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: Lake Texoma, TX, within 120 km, centered around NL 33-53-21; WL 96-38-34
- (2) MOBILE: Galveston, TX, within 40 km, centered around NL 29-18-23; WL 94-48-20
- (3) MOBILE: Farmingdale, New York, within 30 km, centered around NL 40-43-55; WL 73-25-21
- (4) MOBILE: Within 80 km of Fort Collins, CO, within 80 km, centered around NL 40-35-07; WL 105-05-04
- (5) MOBILE: Frisco, CO, within 20 km, centered around NL 39-34-28; WL 106-05-51

Frequency Information

MOBILE: Lake Texoma, TX, within 120 km, centered around NL 33-53-21; WL 96-38-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5250-5600 MHz	MO	18M0Q0N 180MQ0N 50M0P0N	360 kW (ERP)	
5650-5900 MHz	MO	18M0Q0N 180MQ0N	360 kW (ERP)	

This authorization effective June 08, 2010 and
will expire 3:00 A.M. EST August 01, 2011

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Lake Texoma, TX, within 120 km, centered around NL 33-53-21; WL 96-38-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5650-5900 MHz	MO	50M0P0N	360 kW (ERP)	

MOBILE: Galveston, TX, within 40 km, centered around NL 29-18-23; WL 94-48-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5250-5600 MHz	MO	50M0P0N 18M0Q0N 180MQ0N	360 kW (ERP)	
5650-5900 MHz	MO	180MQ0N 18M0Q0N 50M0P0N	360 kW (ERP)	

MOBILE: Farmingdale, New York, within 30 km, centered around NL 40-43-55; WL 73-25-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5250-5600 MHz	MO	18M0Q0N 180MQ0N 50M0P0N	360 kW (ERP)	
5650-5900 MHz	MO	18M0Q0N 180MQ0N 50M0P0N	360 kW (ERP)	

Frequency Information

MOBILE: Within 80 km of Fort Collins, CO, within 80 km, centered around NL 40-35-07; WL 105-05-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5250-5600 MHz	MO	18M0Q0N 180MQ0N 50M0P0N	360 kW (ERP)	
5650-5900 MHz	MO	18M0Q0N 180MQ0N 50M0P0N	360 kW (ERP)	

MOBILE: Frisco, CO, within 20 km, centered around NL 39-34-28; WL 106-05-51

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5250-5600 MHz	MO	18M0Q0N 180MQ0N 50M0P0N	360 kW (ERP)	
5650-5900 MHz	MO	18M0Q0N 180MQ0N 50M0P0N	360 kW (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) Operation is not PERMITTED within 5600-5650 MHz.

Special Conditions:

- (4) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S. Navy; contract numbers N68335-08-C-0150 and N00014-07-C-0068. 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) Operation is subject to prior coordination with FAA Southwest Regional Office, 4400 Blue Mound, Fort Worth, TX 76193-7246, Attn: Frequency Management Office: Phone: (817) 740-3237.
- (6) Operations under the authority of this assignment are subject to immediate adjustment, including cessation, if they result in harmful interference to NASA operations.