

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

EXPERIMENTAL

(Nature of Service)

WF2XOJ

(Call Sign)

XD MO

(Class of Station)

0063-EX-ML-2016

(File Number)

NAME Mustang Technology Group LTD

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(j) of the Commission's Rules

Station Locations

- (1) MOBILE: SAN DIEGO, CA, within 2 km, centered around NL 32-39-59; WL 117-14-35
- (2) MOBILE: Galveston, TX, within 40 km, centered around NL 29-18-23; WL 94-48-20
- (3) MOBILE: Allen, TX, within 13 km, centered around NL 33-05-34; WL 96-40-37
- (4) MOBILE: Land Mobile Operation within 10 km of Plano, TX, within 10 km, centered around NL 33-04-03; WL 96-40-57
- (5) MOBILE: Pembroke, NH, within 12.24 km, centered around NL 43-11-45; WL 71-28-38
- (6) MOBILE: Litchfield, NH, within 0.45 km, centered around NL 42-48-22; WL 71-25-33
- (7) MOBILE: Merimac, NH, within 2 km, centered around NL 42-48-46; WL 71-29-21
- (8) MOBILE: 6 km radius centered on a point 5km east of Rye NH over water, within 6 km, centered around NL 42-59-32; WL 70-40-52
- (9) MOBILE: 64 km radius centered on Douglas AZ, within 64 km, centered around NL 31-22-16; WL 109-41-23
- (10) MOBILE: Airborne Mobile Operation within 80km of KGYI, within 80 km, centered around NL 33-42-51; WL 96-40-33
- (11) MOBILE: 24 km radius centered on Tri-County Aerodome, within 24 km, centered around NL 33-26-59; WL 96-22-39
- (12) MOBILE: Airborne Operation within 80km of Eureka, TX, within 81 km, centered around NL 32-00-44; WL 96-17-33
- (13) MOBILE: 10 km from North Texas Regional Airport, within 10 km, centered around NL 33-42-51; WL 96-40-33
- (14) MOBILE: Land Mobile Operation within 80 km of Eureka, TX, within 80 km, centered around NL 32-00-44; WL 96-17-33

This authorization effective June 06, 2016 and
will expire 3:00 A.M. EST November 01, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: SAN DIEGO, CA, within 2 km, centered around NL 32-39-59; WL 117-14-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
33.5-35.5 GHz	MO	1G60Q3N	2 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 (+/-)
33.5-35.5 GHz	MO	1G60Q3N	2 kW (ERP)	

MOBILE: Allen, TX, within 13 km, centered around NL 33-05-34; WL 96-40-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
33.5-35.5 GHz	MO	1G60Q3N	2 kW (ERP)	

MOBILE: Land Mobile Operation within 10 km of Plano, TX, within 10 km, centered around NL 33-04-03; WL 96-40-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
31.8-35.5 GHz	MO	1G60Q3N	780 kW (ERP)	
33.5-35.5 GHz	MO	1K00N0N	10 W (ERP)	
33.5-35.5 GHz	MO	1G60Q3N	2 kW (ERP)	

Frequency Information

MOBILE: Land Mobile Operation within 10 km of Plano, TX, within 10 km, centered around NL 33-04-03; WL 96-40-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
33.5-35.5 GHz	MO	1K00N0N	667 kW (ERP)	

MOBILE: Pembroke, NH, within 12.24 km, centered around NL 43-11-45; WL 71-28-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
33.5-35.5 GHz	MO	1G60Q3N	2 kW (ERP)	

MOBILE: Litchfield, NH, within 0.45 km, centered around NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
33.5-35.5 GHz	MO	1G60Q3N	2 kW (ERP)	

MOBILE: Merimac, NH, within 2 km, centered around NL 42-48-46; WL 71-29-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
33.5-35.5 GHz	MO	1G60Q3N	2 kW (ERP)	

Frequency Information

MOBILE: 6 km radius centered on a point 5km east of Rye NH over water, within 6 km, centered around NL 42-59-32; WL 70-40-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
33.5-35.5 GHz	MO	1G60Q3N	2 kW (ERP)	

MOBILE: 64 km radius centered on Douglas AZ, within 64 km, centered around NL 31-22-16; WL 109-41-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
33.5-35.5 GHz	MO	1G60Q3N	2 kW (ERP)	

MOBILE: Airborne Mobile Operation within 80km of KGYI, within 80 km, centered around NL 33-42-51; WL 96-40-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
31.8-35.5 GHz	MO	1G60Q3N	94 kW (ERP)	
33.5-35.5 GHz	MO	1G60Q3N	2 kW (ERP)	
33.5-35.5 GHz	MO	1G60Q3N	134 kW (ERP)	

MOBILE: 24 km radius centered on Tri-County Aerodome, within 24 km, centered around NL 33-26-59; WL 96-22-39

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
33.5-35.5 GHz	MO	1G60Q3N	2 kW (ERP)	

Frequency Information

MOBILE: Airborne Operation within 80km of Eureka, TX, within 81 km, centered around NL 32-00-44; WL 96-17-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
31.8-35.5 GHz	MO	1G60Q3N	60 kW (ERP)	

MOBILE: 10 km from North Texas Regional Airport, within 10 km, centered around NL 33-42-51; WL 96-40-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
33.5-36 GHz	MO	1K00N0N	10 W (ERP)	

MOBILE: Land Mobile Operation within 80 km of Eureka, TX, within 80 km, centered around NL 32-00-44; WL 96-17-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
33.5-36 GHz	MO	1K00N0N	10 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.