

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

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

W12XGM

(Call Sign)

0020-EX-PL-2016

(File Number)

NAME Systems & Technology Research

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: Plano, TX: On L-3 Mustang premises., within 5 km, centered around NL 33-04-04; WL 96-41-09
- (2) MOBILE: Princeton, TX: Drive on E Lucas Rd Bridge over Lavon Lake., within 10 km, centered around NL 33-05-54; WL 96-31-47
- (3) MOBILE: McKinney, TX: Along I-75 and Texas 399, within 5 km, centered around NL 33-09-32; WL 96-42-30
- (4) MOBILE: Richardson, TX: Drive Along PGBT and I-75, within 5 km, centered around NL 33-00-15; WL 96-42-30

Frequency Information

MOBILE: Plano, TX: On L-3 Mustang premises., within 5 km, centered around NL 33-04-04; WL 96-41-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8.1-9 GHz	MO	800MW0N	1.51 W (ERP)	
9.2-10 GHz	MO	800MW0N	1.51 W (ERP)	

This authorization effective May 05, 2016 and
will expire 3:00 A.M. EST May 01, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Princeton, TX: Drive on E Lucas Rd Bridge over Lavon Lake., within 10 km, centered around NL 33-05-54; WL 96-31-47

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8.1-9 GHz	MO	800MW0N	1.51 W (ERP)	
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MOBILE: McKinney, TX: Along I-75 and Texas 399, within 5 km, centered around NL 33-09-32; WL 96-42-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8.1-9 GHz	MO	800MW0N	1.51 W (ERP)	
9.2-10 GHz	MO	800MW0N	1.51 W (ERP)	

MOBILE: Richardson, TX: Drive Along PGBT and I-75, within 5 km, centered around NL 33-00-15; WL 96-42-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8.1-9 GHz	MO	800MW0N	1.51 W (ERP)	
9.2-10 GHz	MO	800MW0N	1.51 W (ERP)	

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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.

Special Conditions:

- (3) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by USAF contract no. FA8750-15-C-0023. 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.