

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WG2XRH

(Call Sign)

0472-EX-RR-2015

(File Number)

NAME DeTect, Inc

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(i) of the Commission's Rules

Station Locations

- (1) MOBILE: Longmont, CO, within 100 km, centered around NL 40-09-20; WL 105-07-24
- (2) MOBILE: Longmont, Colorado, within 100 km, centered around NL 40-09-20; WL 105-07-24
- (3) MOBILE: Longmont, Colorado, within 10 km, centered around NL 40-09-20; WL 105-07-24
- (4) MOBILE: Longmont, Colorado, within 10 km, centered around NL 40-09-20; WL 105-07-24

Frequency Information

MOBILE: Longmont, CO, within 100 km, centered around NL 40-09-20; WL 105-07-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
449 MHz	MO	2M00Q1N	17 MW (ERP)	
449 MHz	MO	6M30P0N	1.4 MW (ERP)	

This authorization effective December 01, 2015 and
will expire 3:00 A.M. EST November 01, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Longmont, Colorado, within 100 km, centered around NL 40-09-20; WL 105-07-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
915 MHz	MO	12M6P0N 2M32Q1N	4.7 MW (ERP)	

MOBILE: Longmont, Colorado, within 10 km, centered around NL 40-09-20; WL 105-07-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1290 MHz	MO	12M6P0N 2M32Q1N	8.6 MW (ERP)	

MOBILE: Longmont, Colorado, within 10 km, centered around NL 40-09-20; WL 105-07-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1294.095 MHz	MO	12M6P0N 2M32Q1N	8.6 MW (ERP)	

Special Conditions:

- (1) Assignment in frequency band 960-1400, 2700-2900, or 9000-9200 MHz was coordinated prior to authorization with the FAA Northwest Coordinator, Seattle, WA. Use of frequencies under the authority of this assignment is subject to such further coordination with the FAA Northwest Coordinator, Seattle, WA, as necessary to ensure compatibility with existing uses.
- (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) Operations on 1290 MHz are authorized solely for the purpose of testing wind profiler systems intended for export. Licensee is aware that use of 1290 MHz for this purpose is not supported within the United States.