

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

EXPERIMENTAL

(Nature of Service)

WE2XMV

(Call Sign)

XD MO

(Class of Station)

0015-EX-TC-2009

(File Number)

NAME DRS Codem Systems, 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: Merrimack, NH, within 20 km, centered around NL 42-50-02; WL 71-30-11

Frequency Information

MOBILE: Merrimack, NH, within 20 km, centered around NL 42-50-02; WL 71-30-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780-1795 kHz	MO	N0N 100MA1A 2M70J3E	10 W (ERP)	
3155-3250 kHz	MO	N0N 100MA1A 2M70J3E	20 W (ERP)	
4438-4650 kHz	MO	N0N 100MA1A	20 W (ERP)	

This authorization effective March 07, 2011 and
will expire 3:00 A.M. EST March 08, 2012

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4438-4650 kHz	MO	2M70J3E	20 W (ERP)	
6765-6999 kHz	MO	N0N 100MA1A 2M70J3E	25 W (ERP)	
10150-11170 kHz	MO	N0N 100MA1A 2M70J3E	50 W (ERP)	
14350-14900 kHz	MO	N0N 100MA1A 2M70J3E	50 W (ERP)	
29890-29910 kHz	MO	N0N 100MA1A 2M70J3E 11M0F3E 16M0F3E	100 W (ERP)	
20.01-20.09 MHz	MO	N0N 100MA1A 2M70J3E	50 W (ERP)	
46.6-49.9 MHz	MO	N0N 100MA1A 2M70J3E	50 W (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
46.6-49.9 MHz	MO	11M0F3E 16M0F3E	50 W (ERP)	
75.2-76 MHz	MO	N0N 16M0F3E 100MA1A 2M70J3E 11M0F3E	10 W (ERP)	
148-149.9 MHz	MO	N0N 2M70J3E 11M0F3E 16M0F3E 100MA1A	60 W (ERP)	
173.4-174 MHz	MO	N0N 100MA1A 2M70J3E 11M0F3E	60 W (ERP)	
454-455 MHz	MO	N0N 100MA1A 2M70J3E 11M0F3E 16M0F3E	50 W (ERP)	
794-806 MHz	MO	N0N 11M0F3E	50 W (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
794-806 MHz	MO	16M0F3E	50 W (ERP)	
940-941 MHz	MO	N0N 11M0F3E 16M0F3E	50 W (ERP)	
1392-1396 MHz	MO	N0N 11M0F3E 16M0F3E	40 W (ERP)	
1670-1675 MHz	MO	N0N 11M0F3E 16M0F3E	50 W (ERP)	
2160-2180 MHz	MO	N0N 11M0F3E 16M0F3E	50 W (ERP)	
2305-2310 MHz	MO	N0N 11M0F3E 16M0F3E	50 W (ERP)	
4800-4940 MHz	MO	N0N 11M0F3E 16M0F3E	50 W (ERP)	

Special Conditions:

- (1) 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.
- (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 subject to prior coordination with Fixed Microwave licensees and affected existing and future Advanced Wireless Services (AWS) licensees in the 2160-2180 MHz band.
- (4) Transmissions are restricted to frequencies between 1392 MHz - 1396 MHz with transmitter power output not to exceed 40 Watts ERP.
- (5) No transmissions are allowed on any FAA frequency band without prior FAA coordination. The FAA restricted bands are 75 MHz (+/-25 KHz), 108-138 MHz, 225-400 MHz, 960-1215 MHz, and 1215-1400 MHz.
- (6) Licensee must implement any future modifications to their operation as directed by the FAA to include ceasing operations, or adding additional frequency restrictions.
- (7) Operation is subject to prior coordination with the local SBE representative for using the frequency band 75.2-76 MHz.
- (8) Use of the frequency or band 1392-1396 MHz is subject further coordination with the FAA New England coordinator, Burlington, Massachusetts, as necessary to ensure compatibility with existing uses.