

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WD2XVM

(Call Sign)

0339-EX-RR-2012

(File Number)

NAME Radio Waves 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) N. Billerica (MIDDLESEX), MA - NL 42-36-54; WL 71-17-57

Frequency Information

N. Billerica (MIDDLESEX), MA - NL 42-36-54; WL 71-17-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2400 MHz	FX	N0N	2 W (ERP)	
2550 MHz	FX	N0N	2 W (ERP)	
3400 MHz	FX	N0N	3 W (ERP)	
3500 MHz	FX	N0N	3 W (ERP)	

This authorization effective January 01, 2013 and
will expire 3:00 A.M. EST January 01, 2015

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

N. Billerica (MIDDLESEX), MA - NL 42-36-54; WL 71-17-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3600 MHz	FX	N0N	3 W (ERP)	
5400 MHz	FX	N0N	3 W (ERP)	
5650 MHz	FX	N0N	3 W (ERP)	
5925 MHz	FX	N0N	3 W (ERP)	
6175 MHz	FX	N0N	3 W (ERP)	
6425 MHz	FX	N0N	3 W (ERP)	
6775 MHz	FX	N0N	3 W (ERP)	
7125 MHz	FX	N0N	3 W (ERP)	
8450 MHz	FX	N0N	3 W (ERP)	
8475 MHz	FX	N0N	3 W (ERP)	

Frequency Information

N. Billerica (MIDDLESEX), MA - NL 42-36-54; WL 71-17-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8500 MHz	FX	N0N	3 W (ERP)	
10500 MHz	FX	N0N	3 W (ERP)	
11100 MHz	FX	N0N	3 W (ERP)	
11700 MHz	FX	N0N	3 W (ERP)	
12700 MHz	FX	N0N	3 W (ERP)	
12975 MHz	FX	N0N	3 W (ERP)	
13250 MHz	FX	N0N	3 W (ERP)	
14250 MHz	FX	N0N	3 W (ERP)	
14325 MHz	FX	N0N	3 W (ERP)	
14400 MHz	FX	N0N	3 W (ERP)	

Frequency Information

N. Billerica (MIDDLESEX), MA - NL 42-36-54; WL 71-17-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
17700 MHz	FX	N0N	3 W (ERP)	
18700 MHz	FX	N0N	3 W (ERP)	
19700 MHz	FX	N0N	3 W (ERP)	
21200 MHz	FX	N0N	3 W (ERP)	
22400 MHz	FX	N0N	3 W (ERP)	
23300 MHz	FX	N0N	3 W (ERP)	
24250 MHz	FX	N0N	3 W (ERP)	
25375 MHz	FX	N0N	3 W (ERP)	
26500 MHz	FX	N0N	3 W (ERP)	
27300 MHz	FX	N0N	3 W (ERP)	

Frequency Information

N. Billerica (MIDDLESEX), MA - NL 42-36-54; WL 71-17-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29300 MHz	FX	N0N	3 W (ERP)	
37000 MHz	FX	N0N	3 W (ERP)	
38500 MHz	FX	N0N	3 W (ERP)	
40000 MHz	FX	N0N	3 W (ERP)	
57000 MHz	FX	N0N	3 W (ERP)	
60500 MHz	FX	N0N	3 W (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Operation subject to prior coordination with existing and future EBS/BRS licensees.
- (5) Due to auxiliary broadcast stations within 20 km of the reported geographical coordinates, operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9247 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir@sbe.org; information, www.sbe.org.
- (6) Due to fixed microwave stations within 20 km of the reported geographical coordinates, operation is subject to prior coordination with fixed microwave service licensees in accordance with 47 CFR, Part 101.103(d).