

# **R. M. SMITH ASSOCIATES**

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## **CHRISTIAN MINISTRIES, INC. APPLICATION FOR NEW NON-COMMERCIAL FM HYDE PARK, VERMONT – 205A TECHNICAL CERTIFICATIONS**

### **§73.203 - Availability of Channels**

Not applicable to applications in the reserved portion of the FM band.

### **§73.207- Separation**

The proposed operation is fully spaced per the provisions of §73.207(b)(1) to all facilities on channels 258 and 259.

### **§73.213- Grandfathered Short Spaced Stations**

Not applicable to this application.

### **§73.315- FM Transmitter Location**

Not applicable to this application

### **§73.509- Prohibited Overlap**

A computerized search of the F.C.C.'s LMS and CDBS databases revealed four domestic FM facilities requiring study:

WVPA(FM)	203C2	St. Johnsbury, VT	Fac. ID - 85029
WVTX(FM)	204A	Colchester, VT	Fac. ID – 58598

WMDR(FM) 205C0                      Oakland, ME                      Fac. ID – 92341

WXLQ(FM) 206A (App)                      Bristol, VT                      Fac. ID – 176918

For each of these facilities and for the proposed operation, the protected 60 dBu f(50,50) contours and pertinent interfering f(50,10) contours were calculated along 72 azimuths and plotted on the attached Figure 1.

As shown on Figure 1:

The proposed 100 dBu f(50,10) contour does not overlap the WVPA(FM) 60 dBu f(50,50) contour and the WVPA(FM) 100 dBu f(50,10) contour does not overlap the proposed 60 dBu f(50,50) contour.

The proposed 54 dBu f(50,10) contour does not overlap the WVTX(FM) 60 dBu f(50,50) contour and the WVTX(FM) 54 dBu f(50,10) contour does not overlap the proposed 60 dBu f(50,50) contour.

The proposed 40 dBu f(50,10) contour does not overlap the WMDR(FM) 60 dBu f(50,50) contour and the WMDR(FM) 40 dBu f(50,10) contour does not overlap the proposed 60 dBu f(50,50) contour.

The proposed 54 dBu f(50,10) contour does not overlap the WXLQ(FM) 60 dBu f(50,50) contour and the WXLQ(FM) 54 dBu f(50,10) contour does not overlap the proposed 60 dBu f(50,50) contour.

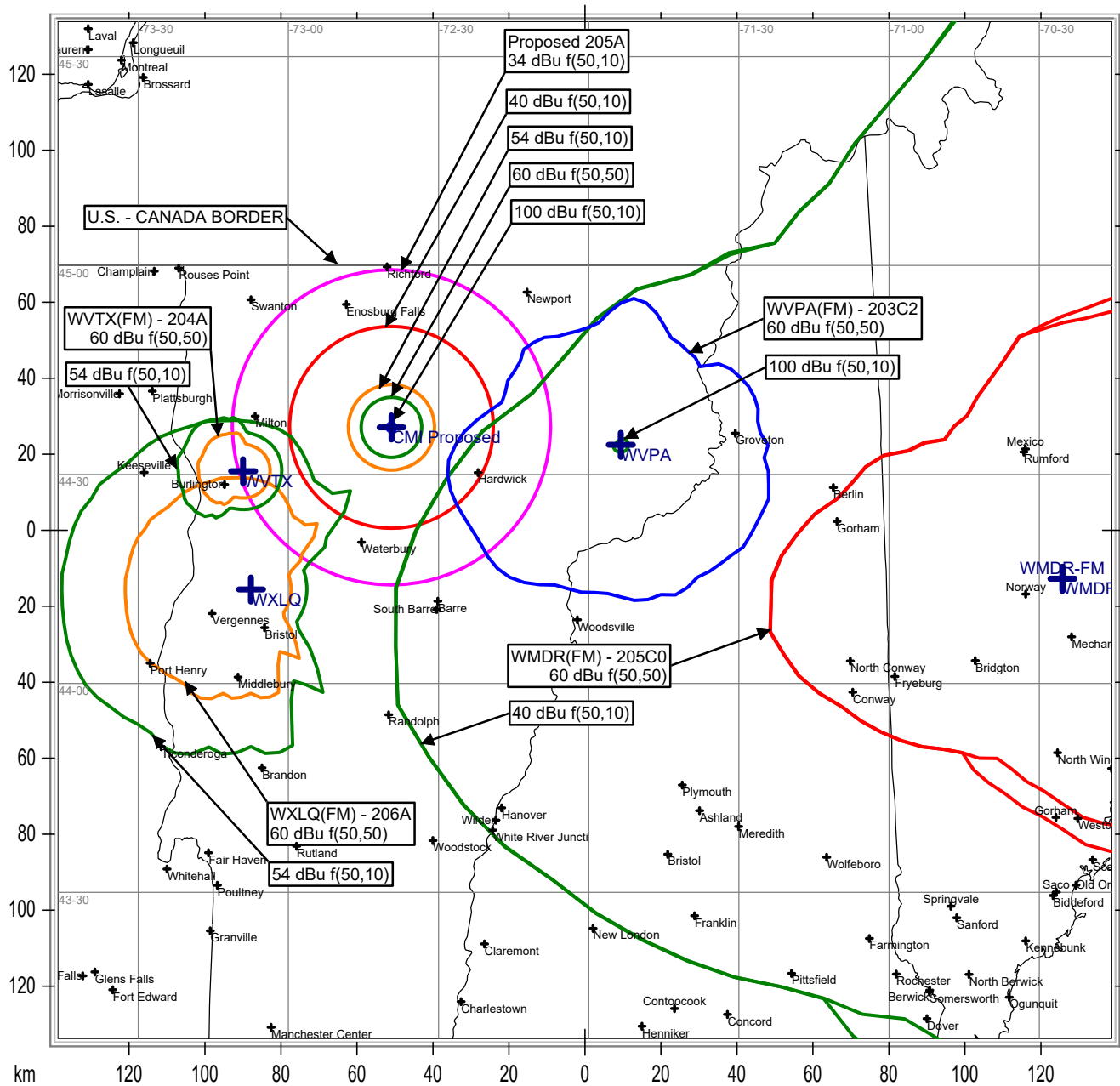
Also as shown on Figure 1, the proposed 34 dBu f(50,10) contour does not cross the border between the United States and Canada.

No prohibited contour overlap will be created by the proposed operation.

#### **§73.515- Community of License Coverage**

The attached Figure 2 shows the 60 dBu f(50,50) contour from the proposed operation completely encompasses the proposed community of license, Hyde Park, VT.

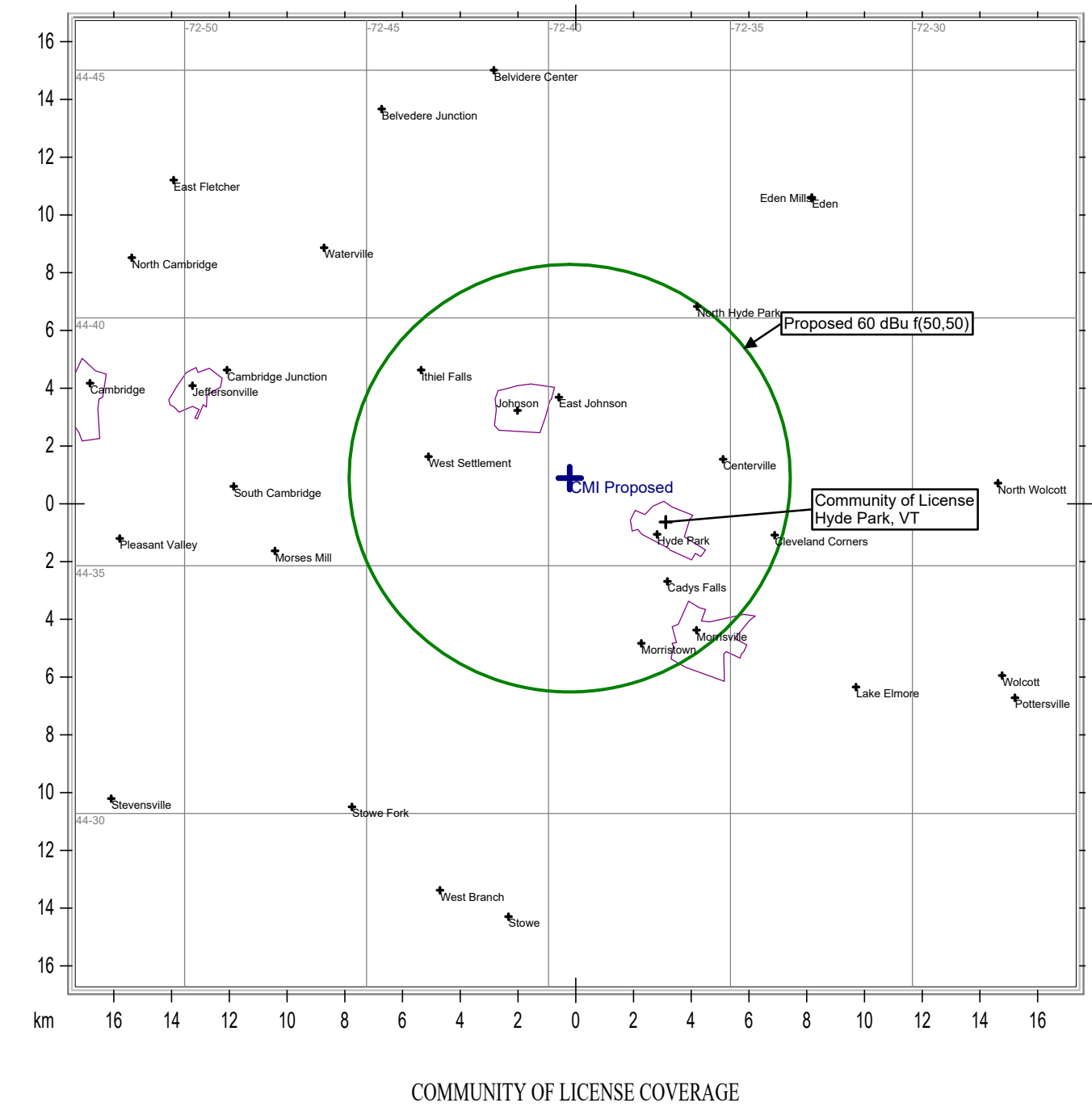
## CHRISTIAN MINISTRIES, INC. - 205A - HYDE PARK, VT



## SECTION 73.509 COMPLIANCE

State Borders      Lat/Lon Grid

CHRISTIAN MINISTRIES, INC. - 205A - HYDE PARK, VT



State Borders    City Borders    Lat/Lon Grid