

# **R. M. SMITH ASSOCIATES**

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## **W222BX**

### **Minor Modification of Construction Permit**

#### **Exhibit 13 – Interference**

This application seeks to modify the Construction Permit of FM translator W222BX by relocating it from Laconia, NH to Barre, VT and change its frequency from 92.3 MHz to 105.7 MHz. Once constructed, the translator will rebroadcast WSNO(AM), Barre, VT.

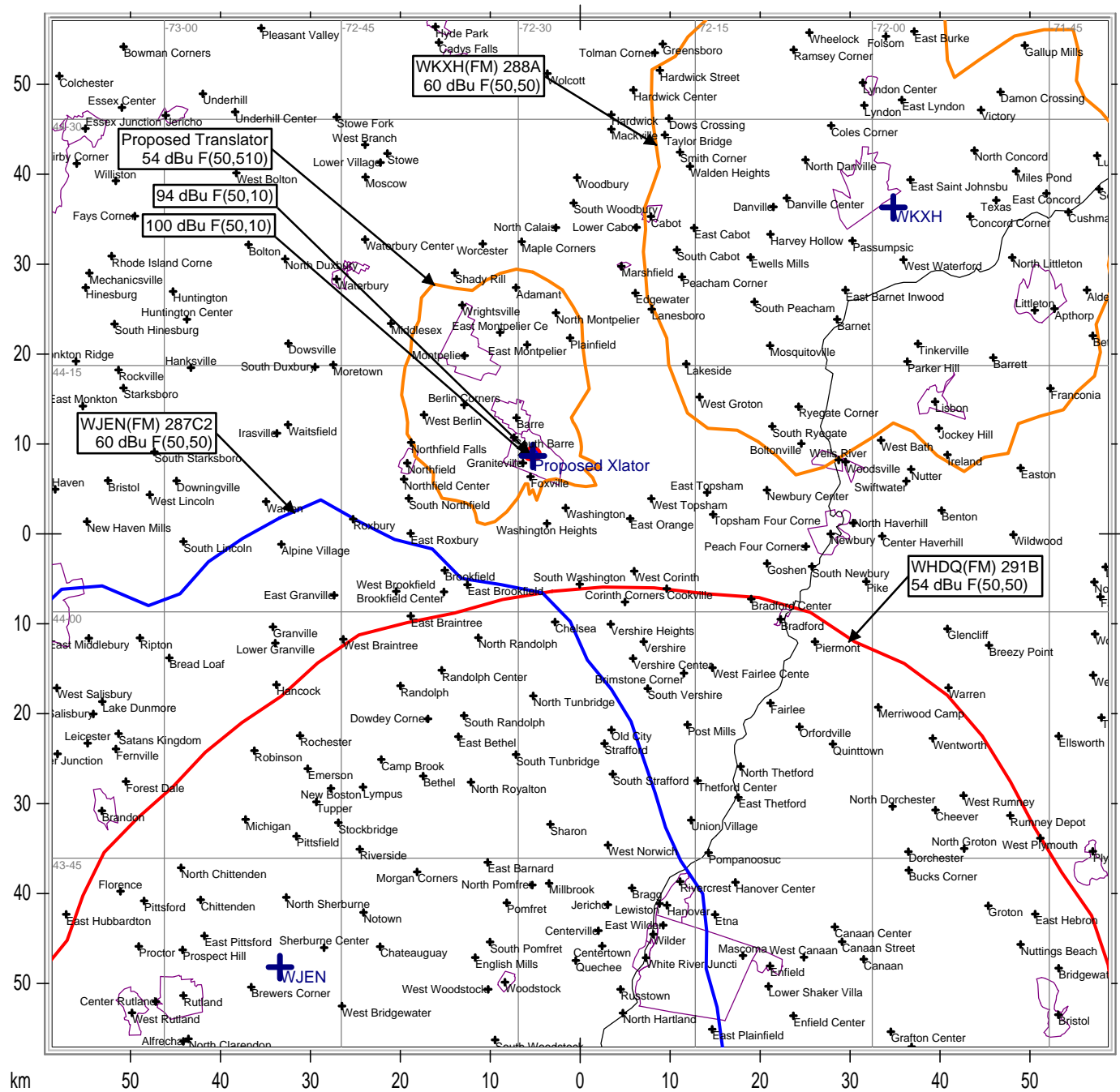
A computerized search of the F.C.C. CDBS was conducted to determine what existing stations might be impacted by the proposed operation. Only three facilities were found that warrant detailed analysis:

WKXH(FM)	288A	St. Johnsbury, VT	1 <sup>st</sup> Adjacent
WHDQ(FM)	291B	Claremont, NH	2 <sup>nd</sup> Adjacent
WJEN(FM)	287C2	Killington, VT	2 <sup>nd</sup> Adjacent

For each facility, the protected service contour (60 dBu f(50,50 for WKXH(FM) and WJEN(FM), 54 dBu f(50,50) for WHDQ(FM)) was calculated and plotted on the attached Figure 1. The interfering contours to be generated by the proposed translator operation (54 dBu f(50,10) to WKXH(FM), 94 dBu f(50,10 to WHDQ(FM), and 100 dBu f(50,10) to WJEN(FM)) were also calculated and plotted on the attached Figure 1.

As Figure 1 clearly shows, no prohibited contour overlap will result from the proposed changes in operation to W222BX.

## Minor Modification of W222BX



State Borders City Borders Lat/Lon Grid