

# R. M. SMITH ASSOCIATES

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W289CH – BARRE, VT  
APPLICATION FOR CONSTRUCTION PERMIT  
FOR  
MINOR MODIFICATION OF LICENSED FACILITY

Exhibit 13 – Contour Overlap

A computerized search of the CDBS revealed three existing FM facilities requiring detailed study. The three facilities are:

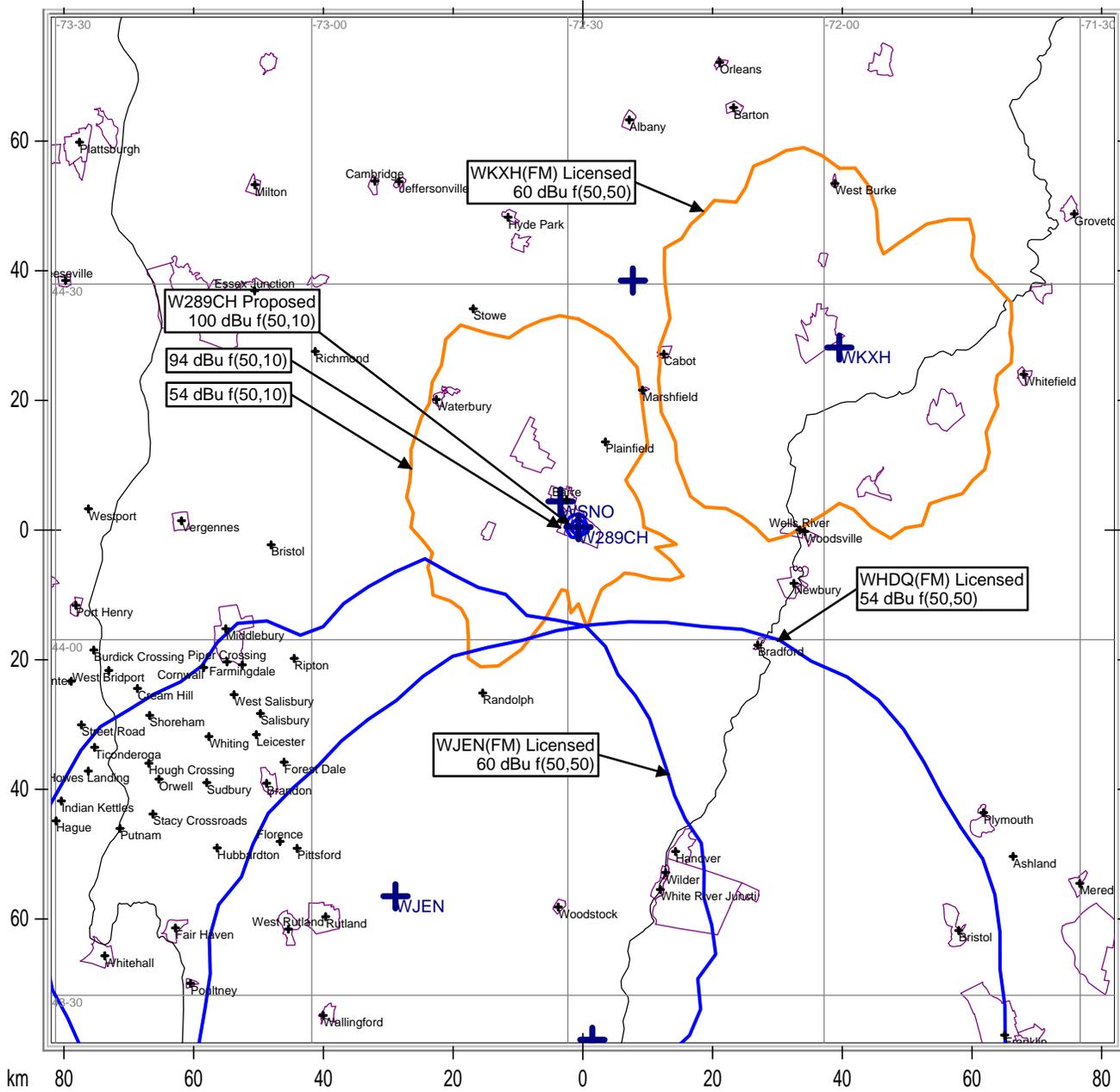
WJEN(FM)	287C2	Killington, VT	Facility ID – 34609
WKXH(FM)	288A	St. Johnsbury, VT	Facility ID – 49401
WHDQ(FM)	291B	Claremont, NH	Facility ID – 17798

For each of the facilities, the protected f(50,50) coverage contour was calculated and plotted on the attached Figure 1. The pertinent interfering f(50,10) contours generated by the proposed operation of W289CH were also calculated and plotted on Figure 1.

As shown on Figure 1, the proposed 100 dBu f(50,10) contour does not overlap the WJEN(FM) 60 dBu f(50,50) contour, the proposed 54 dBu f(50,10) contour does not overlap the WKXH(FM) 60 dBu f(50,50) contour, and the proposed 94 dBu f(50,10) contour does not overlap the WHDQ(FM) 54 dBu f(50,50) contour.

The applicant believes the proposed operation is in full compliance with 47 C.F.R. Section 74.1204.

FM TRANSLATOR W289CH - 289D - BARRE, VT



ANTENNA C/R = 547 METERS AMSL - ERP = 0.250 KW

State Borders City Borders Lat/Lon Grid