

# **R. M. SMITH ASSOCIATES**

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## APPLICATION FOR NEW FM TRANSLATOR FOR

### WTWN(AM) – WELLS RIVER, VERMONT

#### EXHIBIT 13

#### CONTOUR OVERLAP PROTECTION

A computerized search of the F.C.C. CDBS revealed six facilities requiring detailed study. For each of the possibly impacted facilities, the protected service contour was calculated and plotted. The pertinent interference contours from the proposed operation were also calculated and plotted. As the attached Figure 1 of the Exhibit demonstrates, no prohibited contour overlap will be generated by the proposed operation.

The six facilities studied are:

WKXH(FM)	St. Johnsbury, VT	288A	Fac ID = 49401
WNCS(FM)	Montpelier, VT	284C2	Fac ID = 43655
W289CH	Barre, VT	289D	Fac ID = 139449
WJEN(FM)	Killington, VT	287C2	Fac ID = 34609
WKOL(FM)	Plattsburgh, NY	286C3	Fac ID = 68692
WTOS-FM	Skowhegan, ME	286C	Fac ID = 46352

As Figure 1 demonstrates, no prohibited contour overlap occurs with any of these facilities because:

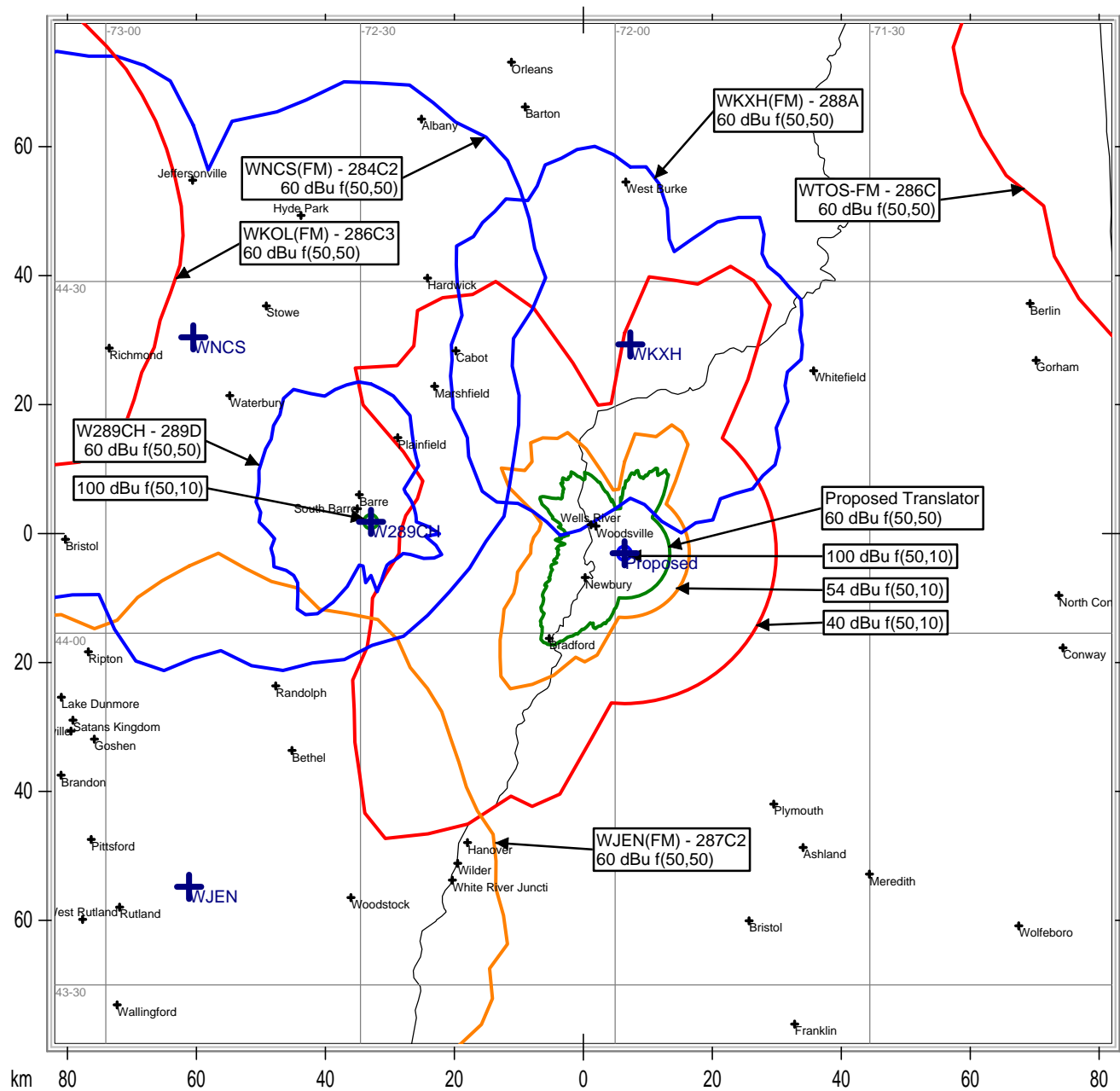
The proposed 100 dBu f(50,10) contour does not overlap the 60 dBu f(50,50) contours of WKXH(FM), WNCS(FM), or W289CH;

The proposed 54 dBu f(50,10) contour does not overlap the 60 dBu f(50,50) contour of WJEN(FM);

The proposed 40 dBu f(50,10) contour does not overlap the 60 dBu f(50,50) contours of WKOL(FM) or WTOS-FM; and

The W289CH 100 dBu f(50,10) contour does not overlap the proposed 60 dBu f(50,50) contour.

## WTWN(AM) - FM TRANSLATOR APPLICATION FOR CP



CHANNEL 286 - 250 WATTS ERP - C/R 348 M AMSL

State Borders      Lat/Lon Grid