

R. M. SMITH ASSOCIATES

BROADCAST TECHNICAL CONSULTANTS
4267 NW FEDERAL HIGHWAY #120 - JENSEN BEACH, FL 34957
(772) 335-0688 FAX (772) 335-1438
E-MAIL Rmsradio@aol.com

NEW TRANSLATOR - CHANNEL 224 - LACONIA, NH
FOR WNHI(FM) - BELMONT, NH

INTERFERENCE EXHIBIT

The proposed facility was examined for its ability to generate prohibited interference with existing and proposed stations. Three stations, WXRV(FM), 223B, Haverhill, MA, (Facility ID 49385); WEZF(FM), 225C, Burlington, VT, (Facility ID 35232); and WOXO-FM, 224A, Norway, ME, (Facility ID 67698) warranted detailed study.

Included in this Exhibit are plots of the protected, 60 dBu or 54 dBu f(50,50), contours and interfering, 54 dBu or 48f(50,10) contours of the three facilities and the proposed translator.

As shown:

1. The 40 dBu contour from the proposed translator does not overlap the 60 dBu contour of WOXO-FM nor the 60 dBu contour of WEZF(FM). The 48 dBu contour from the proposed translator does not overlap the 54 dBu contour of WXRV(FM).
2. The 40 dBu contour from the none of the listed facilities overlaps the 60 dBu contour from the proposed translator.

The proposed translator meets all spacing requirements to stations separated by 53 or 54 channels from the proposed channel.