

**Proposed Sanford, Maine Translator on Channel 291.**

**Section 74.1204 Contour Studies to Pertinent Co-Channel and Adjacent Channel Facilities.**

All facilities not meeting the spacing requirements of Section 73.202 were studied. These are:

<u>Call Sign</u>	<u>Location</u>	<u>Channel No.</u>
WMEX	Farmington, NH	293A
BNPL-20000901AEK	Portsmouth, NH	291L1 (new LPFM)
WHDQ	Claremont, NH	291B (License and CP)
WBCI	Bath, ME	290B
WBQW	Scarborough, ME	292A

The attached figures illustrate the absence of prohibited overlap between the proposed translator interfering contour and the pertinent service contours.

The proposed facility lies at least partially inside, or indistinguishably close to, the 60 dBu service contour of WMEX. The proposed facility will operate with a maximum ERP of 0.01 kW at an HAAT of 142 meters. The worst case cardinal radial is 90 degrees True, over which the HAAT is 191 meters. The 100 dBu F(50,10) interfering contour of the proposed facility for 95 meters HAAT will extend 0.222 km. from the antenna, based on the Commission's free space equation. As shown in the attached figure, obtained from a current USGS topographical map of the area, the proposed facility is located in a city park, and there are no residences within 0.222 km.

Even so, the theoretical overlap area under the proposed translator 100 dBu F(50,10) contour would be only 0.155 sq. km., which the applicant believes can be considered de minimus. The applicant therefore believes that the instant application meets the requirements of Section 74.1204(d) with respect to "other factors" insuring no actual interference to WMEX.

Nevertheless, as required by the Commission's Rules, in the event of any complaints that the proposed translator interferes with reception of WMEX, the applicant will take the required steps to eliminate the interference, including, if necessary, reducing power or cessation of translator operation.