

Rochester Radio
Form 318 Application for Minor Change to WMEX-LP at Rochester, NH

Has: Channel 290
Seeks: Channel 291

Exhibit 11
Compliance With Second Adjacent Channel Waiver Standard

Overview

The applicant has a pending application for License To Cover (BLL-20140912AAY) on a channel that was relatively free from incoming interference in Winter. However, in warmer weather, unfortunately the incoming signal from Class B co-channel WBCI is enhanced by tropospheric skip to the point where the applicant's signal receives considerable incoming interference that drastically reduces usable coverage. Therefore, the applicant seeks a change to an adjacent channel that recent experience suggests will receive less interference. No other changes are proposed.

This application meets the spacing requirements of Section 73.807 with respect to all co-channel and first adjacent channel facilities. It is shortspaced to second adjacent WNHI on Channel 293A at Farmington, NH. As demonstrated herein, the applicant proposes to meet the requirements of the second adjacent waiver standard, and respectfully requests a waiver as described below.

Interference Considerations In Antenna Vicinity

As shown in Figure 1, WNHI places a 70.6 dBu F(50,50) service contour over the proposed site. The Commission has generally considered overlap from a proposed second adjacent facility interfering contour to be acceptable where the ratio of undesired to desired signal (U/D) does not exceed 40 dB over any populated area, residence, or well-traveled road, i.e. where in the instant case the proposed F(50,10) interfering signal does not exceed 110.6 dBu.

For an ERP of 25 Watts, the predicted distance to the proposed 110.6 dBu F(50,10) interfering contour in free space is 105 meters. The antenna is 30 meters AGL, so the horizontal distance from the antenna site to this contour is 100.6 meters. As shown in Figure 2, there are no residences or major roads within this distance. The only nearby residence is that of the site host.

The applicant therefore believes its application meets the requirements of the second adjacent waiver standard with respect to "other factors" insuring no actual interference to WNHI. Should any actual interference occur, the applicant will take the required steps to eliminate it, including reduction of power or cessation of operation.

Respectfully submitted,



Dennis Jackson
Technical Consultant
September 18, 2014

Figure 1A – Allocation Study

Second-adjacent WNHI places a 70.6 dBu F(50,50) Service Contour over the proposed site.

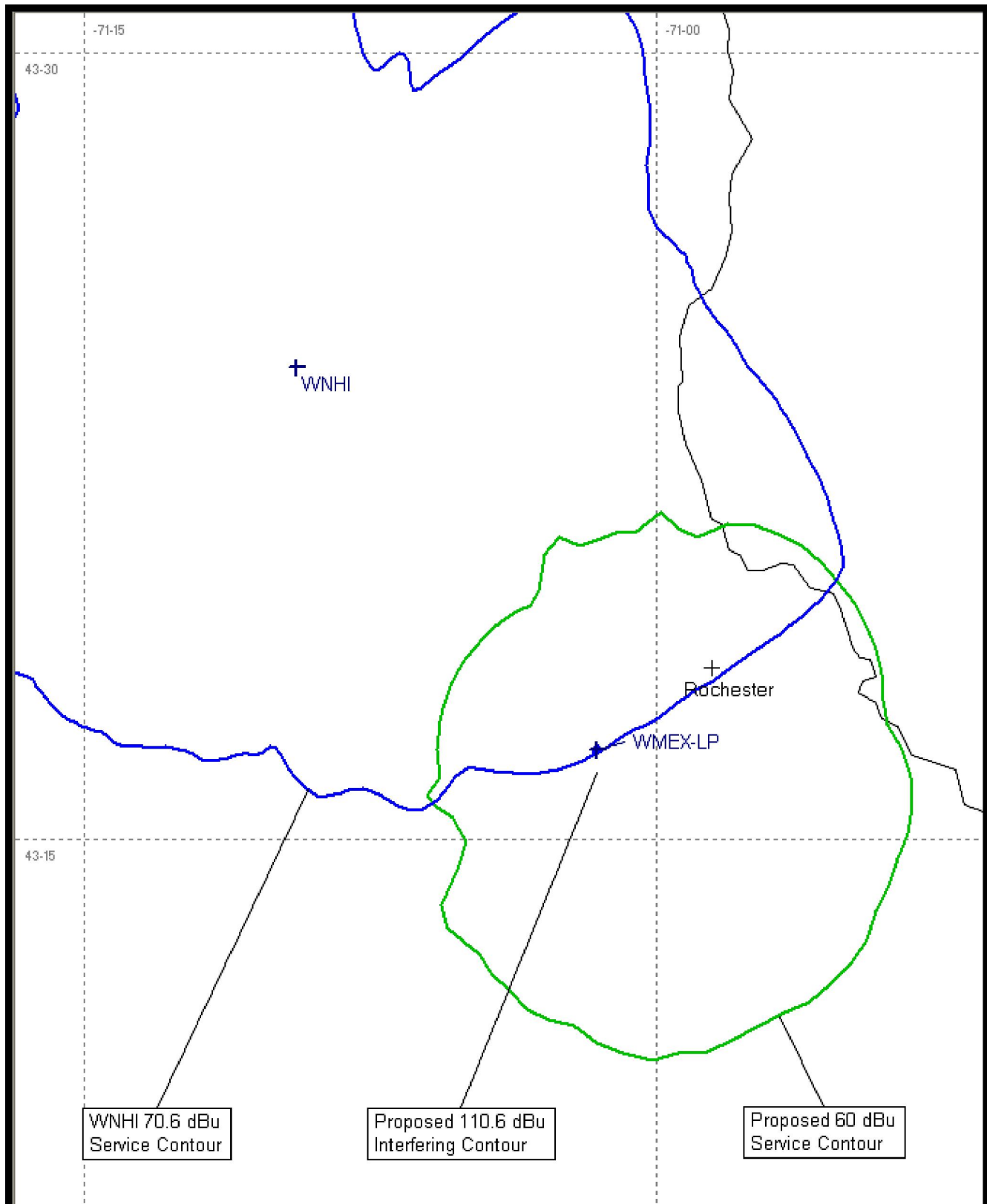


Figure 2 – Aerial Photograph Of Site

**Proposed 110.6 dBu Interfering Contour extends 100.6 meters from antenna site.
There are no residences or major roads within 100.6 meters of the antenna site,
as shown below.**

105 meters = 330 feet.

