

## WXBM-FM Interference

The site for the proposed facility is located within the protected contour on a channel which is third-adjacent to WXBM-FM, the affected station. We predict the affected station protected contour at the proposed site is 96.3 dBu F[50,50] as displayed in red in **Figure 1**. According to established second-adjacent channel contour Undesired-to-Desired (U/D) protection ratios, the contour from the interfering station should be 40 dB higher than the protected contour. Therefore the respective interfering contour for this proposed amendment is 136.3 dBu F[50,10], which is 16.8 meters from the proposed radiation center. Since the center of radiation is 174 m AGL, the potential interference area is 157 meters AGL.



**Figure 1**

## **Request for Waiver**

Since this proposal complies with 47CFR74.1204(d) based upon the fact that no actual interference will occur due to no population and no public locations within the areas of interference, we hereby request waiver of 47CFR74.1204(a)(3) for separation between this proposed facility and the affected station.

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