

Radigan Broadcast Group, LLC
FM Translator W300BV, Endicott, NY – Facility ID 157572
Application for Minor Change Construction Permit
Exhibit 12C – WBBI Non-Interference Showing

This application proposes a change in directional antenna pattern of W300BV. There is no change in frequency, location, height, or effective radiated power of the translator.

As shown in Exhibit 12B, the W300BV site is within the protected service contour of second-adjacent station WBBI, Endwell, NY, Facility ID 18899, which operates on Channel 298A. The predicted field strength of WBBI at the translator site is 77.9 dBu based on the F(50,50) propagation curves. No interference is expected beyond the 117.9 dBu contour of the translator, assuming a +40 dB U/D ratio.

Figure 1, an excerpt from USGS topographic maps of the area, shows no structures within the 117.9 dBu free-space contour, which extends to a maximum distance of 141 meters from the antenna in the horizontal plane.

A recent satellite photo, included below as Figure 2, shows that the closest residence is 136 meters southwest of the W300BV tower. Ground elevation at this residence is 473 meters AMSL and its maximum height is assumed to be less than 9 meters AGL or 482 m AMSL.

The radiation center of the W300BV antenna is 524 meters AMSL, at least 42 meters higher than any part of the residence. Slant distance from the antenna to the residence is 142.3 meters; therefore, the 117.9 dBu contour of the translator does not reach the residence.

Please note also in Figure 3 that the path between WBBI and the translator site is unobstructed, so that station's actual field strength most likely exceeds 77.9 dBu at the nearby residence. Further, the main lobe of the proposed pattern will be rotated away from the residence.

In conclusion, no interference to WBBI resulting from operation of W300BV has been reported since it was licensed at this site in 2003, and none is expected as a result of the requested modification. A "Living Way" waiver is hereby requested if such a waiver is deemed necessary.

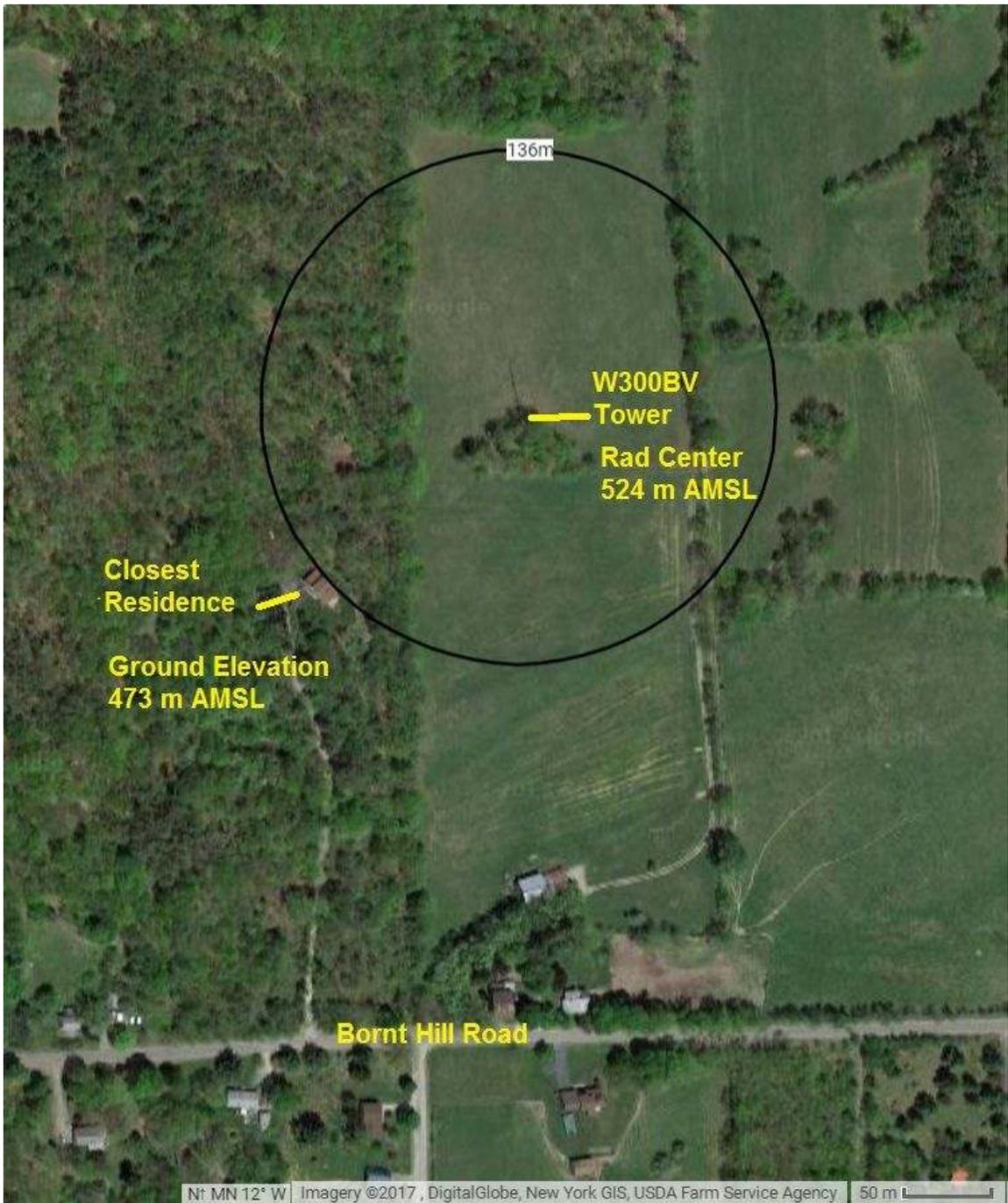


Figure 2 – Satellite Photo of W300BV Site
Horizontal Distance from W300BV Tower to Closest Residence is 136 meters
Slant Distance from W300BV Antenna to Building Roof Exceeds 142.3 m

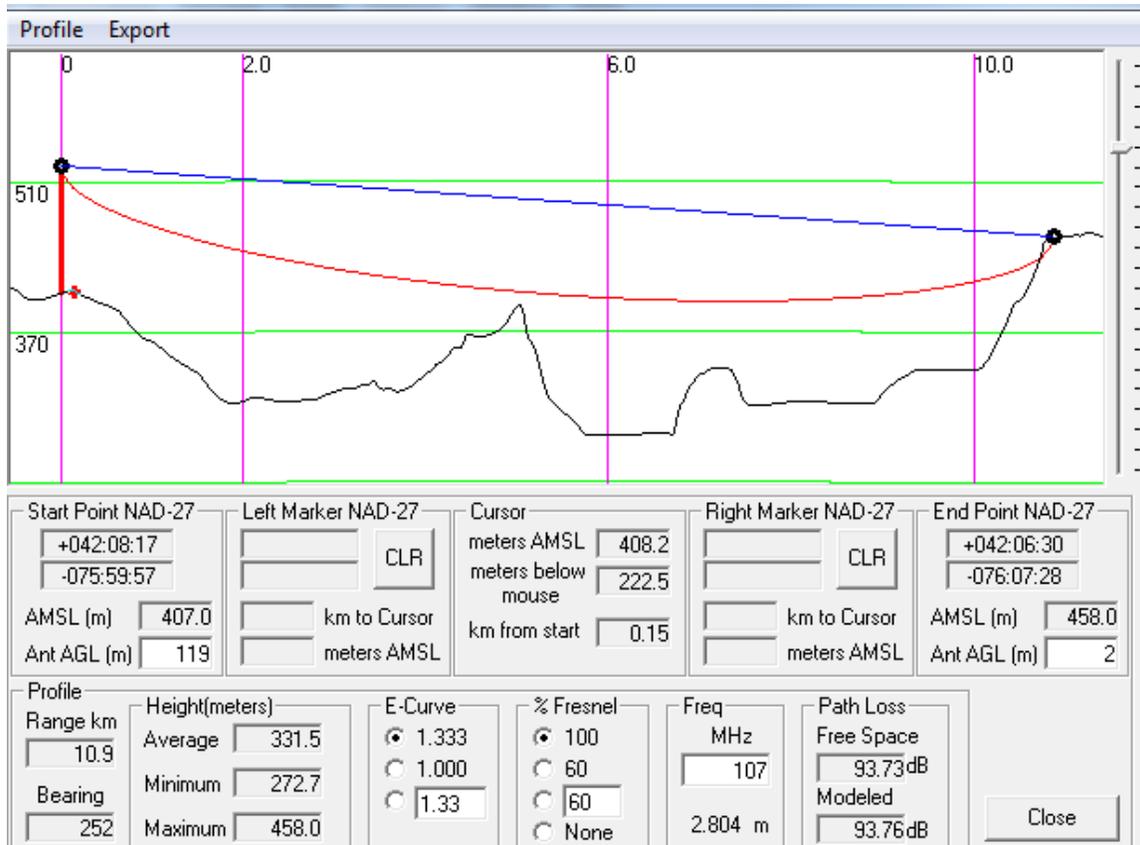


Figure 3 – Terrain Path Profile
(WBI Antenna on left side, W300BV Site on right side)