

Clearance to WXCC (FM)

This instant translator application clears all allocation constraints of Section 74.1204. On first glance, it appears that interference is created to third-adjacent channel station WXCC (FM), Williamson, WV. However, Section 74.1204(d) instructs us:

“In addition, an application otherwise precluded by this section will be accepted if it can be demonstrated that no actual interference will occur due to intervening terrain, lack of population or such other factors as may be applicable.”

WXCC (FM) places 92.7 dBu over the proposed translator site. Adding the 40 dBu U/D radio to the 92.7 dBu signal produces an interfering contour of 132.7 dBu. This interfering contour extends a distance of 26 meters. Since the proposed translator antenna will be 31 meters above the ground, the interfering contour to WXCC (FM) will be 5 meters above the ground and cannot be received by any listener. There are no dwellings or businesses in the vicinity of the tower.

In conclusion, based on the foregoing explanation showing that no persons will receive interference, it is thought this application is in compliance will Section 74.1204 using Section 74.1204(d).