

Clearance to W280EC

This instant translator application clears all allocation constraints of Section 74.1204. On first glance, it appears that interference is created to second-adjacent Translator W280EC. 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.”

Nearby W280EC places 121.7 dBu over the proposed translator site. Adding the 40 dBu U/D ratio to the 121.7 dBu signal produces an interfering contour of 161.7 dBu. This interfering contour extends a distance of only .2 meters from the antenna which is located 15 meters AGL on the tower. Therefore, the interfering contour never touches the ground.

In conclusion, based on the foregoing explanation showing that the interfering contour never touches the ground and that no persons will receive interference, it is thought this application is in compliance with Section 74.1204 using Section 74.1204(d).