

Clearance to WFSH and W280EZ

This instant translator application clears all allocation constraints of Section 74.1204. On first glance, it appears that interference is created to WFSH and W280EZ. 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.”

WFSH places 89.6 dBu over the proposed translator site. Adding the 40 dBu U/D ratio to the 89.6 dBu signal produces an interfering contour of 129.6 dBu. This interfering contour extends a distance of 36.9 meters from the antenna which is located 62 meters AGL on the tower. This interference area never touches the ground.

Co-located W280EZ places 151.5 dBu over the proposed translator site. Adding the 40 dBu U/D ratio to the 151.5 dBu signal produces an interfering contour of 191.5 dBu. This interfering contour extends less than 1 meter from the antenna which is located 62 meters AGL on the tower. This interference never touches the ground.

In conclusion, based on the foregoing explanation showing that no persons will receive interference due to the fact that the 129.6 dBu interfering contour to WFSH and the 151.5 dBu contour to W280EZ stay in the air and never touches the ground, it is thought this application is in compliance with Section 74.1204 using Section 74.1204(d).