

Clearance to WCYQ

This instant translator application clears all allocation constraints of Section 74.1204. On first glance, it appears that interference is created to WCYQ, Oak Ridge, TN. 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.”

WCYQ places 88.4 dBu over the proposed translator site. Adding the 40 dBu U/D ratio to the 88.4 dBu signal produces an interfering contour of 128.4 dBu. This interfering contour extends a distance of 42.3 meters from the antenna which is located 81 meters AGL on the tower. Therefore, the interfering contour does not touch the ground and cannot be received by any listener.

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).