

Clearance to WSHH (FM) and WBZZ (FM)

This instant translator application clears all allocation constraints of Section 74.1204. On first glance, it appears that interference is created to second-adjacent channel station WSHH (FM), Pittsburgh, PA and third-adjacent channel WBZZ (FM), New Kensington, PA. 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.”

WSHH (FM) places a 117.1 dBu signal over the proposed translator site. Adding the 40 dBu U/D ratio to the 117.1 dBu signal produces an interfering contour of 157.1 dBu. This interfering contour extends a distance of 1 meter from the antenna and does not reach the ground and therefore does not cover any population.

Co-located WBZZ (FM) places a 148.5 dBu signal over the proposed translator site. Adding the 40 dBu U/D ratio to the 148.5 dBu signal produces an interfering contour of 188.5 dBu. The interfering contour extends a distance of less than 1 meter from the antenna, which does not reach the ground and does not cover any population.

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