

## SECTION 1204(d) STUDY

This narrative exhibit demonstrates that the predicted interference to the 60 dBu contour of the third-adjacent WPZX, Pocono Pines, PA is allowable under the rules stated in 47 CFR 74.1204(d). In support of this application, Applicant states the following:

1. WPZX, Pocono Pines, PA, a third adjacent channel facility to this translator proposal, is protected from interference within its 60 dBu contour from the associated interference contour (based on 47 CFR 74.1204(a)(1); using the FCC F(50/10) curves) which need be 40 dBu greater than the associated coverage contour (WPZX) that would encompass the proposed translator antenna site and that contour which is 40 dBu greater than the associated coverage contour.
2. This translator's antenna location is located within the 60 dBu contour (based on 73.333 F(50/50)) of WPZX, Pocono Pines, PA. This proposal will use the predicted desired to undesired coverage method to determine the appropriate interference contour that need be used with regard to WPZX. Included as an attachment (WKAB 105.3 W Hazleton, PA Desired to Undesired Ratios Map) is a map showing that the 60 dBu coverage contour of WPZX encompasses the proposed antenna site along with the entire proposed 100 dBu interference contour. As the proposed 100 dBu interference contour is 40 dBu greater than the 60 dBu contour of WPZX then this contour is the appropriate interference contour for this analysis and it is clearly evident that interference will only occur within this 100 dBu interference contour of this proposed translator.
3. Given this translator's requested effective radiated power of 75 watts, directional; the predicted 100 dBu interference contour for this proposal would be very small. At any HAAT value, the maximum 100 dBu

contour distance for this proposal is 0.61 kilometers at 20 degrees from true north and smaller than this in all other directions.

4. This proposed translator site is situated in a sparsely populated area that contains an automotive salvage yard along with forested areas. WKAB 105.3 W Hazleton, PA Geo Map, an attachment to this exhibit, clearly shows how rural the area is within the 100 dBu interference contour of this proposal with no dwellings at all located within this contour. The rule in 47 CFR 74.1204(d) states "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 factors as may be applicable." In this particular case, as shown in this exhibit, it is clearly evident that there is a "lack of population" as defined in 47 CFR 1204(d) thus allowing this translator to operate at this proposed location.

For the foregoing reasons Applicant submits that the predicted interference to WPZX, Pocono Pines, PA is allowable under Section 74.1204(d) of the Commission's rules. Furthermore, grant of this application is in the public interest as it would increase the coverage area of a radio facility in this area and impose no hardship to the referenced facility, WPZX, Pocono Pines, PA.

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