

Clearance to WQNS

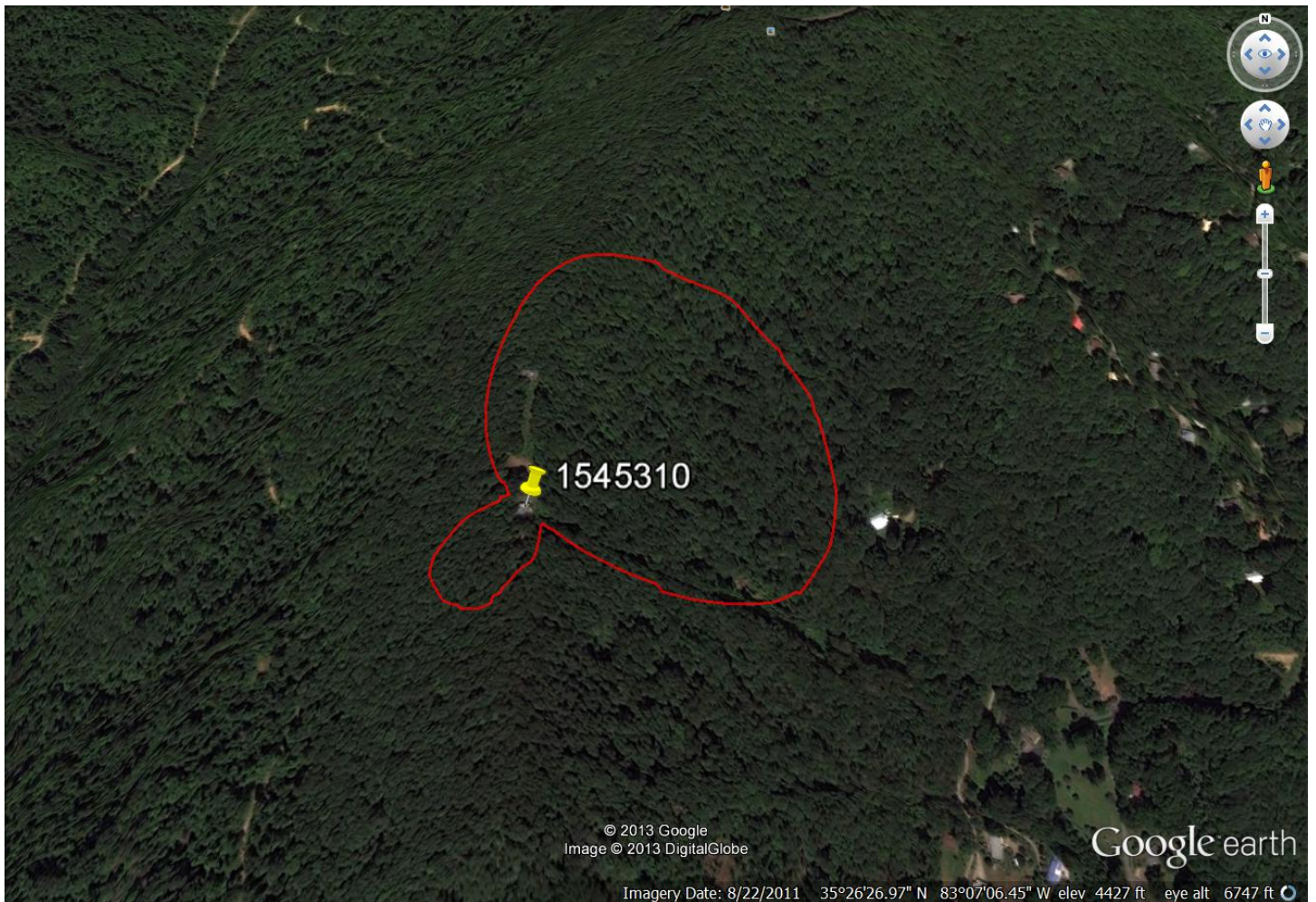
This instant translator application clears all allocation constraints of Section 74.1204. On first glance, it appears that interference is created to third-adjacent WQNS (FM), Waynesville, NC. However, Section 74.1204(d) instructs us:

“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.”

WQNS places 63 dBu over the proposed translator site. Adding the 40 dBu U/D ratio to the 63 dBu signal produces an interfering contour of 103 dBu. This interfering contour extends a maximum distance of only 352.9 meters from the antenna. There are no residences within this area. A Google satellite map is attached showing the interfering contour does not cover any home. The one structure that can be seen within this contour is the unoccupied transmitter building. The area is mountainous in nature. Additionally, the population counting feature of FM Commander was consulted. It counts no population within the interfering contour.

In conclusion, based on the foregoing explanation showing that the interfering contour does not cover any population, it is thought this application is in compliance with Section 74.1204 using Section 74.1204(d).

103 dBu Interfering Contour



The Google Earth photo above is the proposed 103 dBu interfering contour. Other than the transmitter site, there are no other structures or residences within this small contour.