

Introduction and Description of Proposal

This engineering exhibit was prepared in support of a minor change application being filed by Covenant Network for authority to move the K264CC (FCC Facility ID 156959) output frequency 53 channels from 264D to 211D and change the program delivery method to other. The maximum ERP will be changed to 90 watts and a different directional antenna will be employed

Eligibility

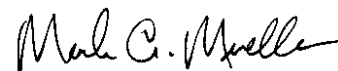
The primary station, WMSH, Sparta, Illinois (FCC Facility ID 172232) is a class-B1 noncommercial FM station also licensed to Covenant Network. Section §74.1231(b) of the Rules allows direct-fed operation on a reserved channel (in this case 211) if the following condition is met:

- 1) The applicant demonstrates that:
 - (i) The transmitter site of the proposed FM translator station is within 80 kilometers of the predicted 1 mV/m contour of the primary station to be rebroadcast

The K264CC site is 101.4 kilometers from the WMSH site. The WMSH 60 dBu extends 33.4 kilometers in the direction of K264CC, resulting in the translator being 68.0 kilometers outside the WMSH 60 dBu contour, within the 80 kilometer allowance of §74.1231(b)(1)(i).

This engineering exhibit was prepared by me and is true and correct to the best of my knowledge and belief.

February 16, 2017



Mark A. Mueller