

VIRGINIA TECH FOUNDATION, INC.

W275CD

VINTON, VIRGINIA

ENGINEERING NARRATIVE

The purpose of this application is to change the location, of W275CD.

As shown on the attached Channel Study, this application meets protection requirements to all stations except WBZS on second-adjacent channel 273A.

The signal strength of WBZS at the proposed site is 65.6 dBu, and the distance to the interfering contour (105.6 dBu) is 183.6 meters. As shown on the attached aerial photograph, the proposed site is in a very isolated location, and it is approximately 900 meters to the nearest house and public road.

For purposes of §74.1204(d), there is no interference area that is open to, occupied or traversed by the general public. (See Living Way Ministries, Inc., 17FCC Rcd 17054 (2002), reconsidered FCC 08-242, released October 10, 2008, especially the section "Guidance for Future Applicants to Demonstrate Lack of Population" at paras, 7-13.)

Based on the foregoing, a waiver for interference to WBZS is requested under §74.1204(d).

The combined Horizontal and Vertical power is 50 watts, therefore, this application is exempt from RFR evaluation under Table 1 of §1.1307.

The proposed antenna supporting structure is an existing tower, and the implementation of this proposed facility will not cause any change to the land surrounding the tower. In view of the foregoing, this application is exempt from environmental processing.

The proposed site is outside the West Virginia Quiet Zone.

In addition to this narrative, attachments include a channel study, an aerial photograph, A map of the 60 dBu contours of the translator and the primary station and an interference map showing protection to WJXX.