

EXHIBIT 12
TECHNICAL STATEMENT
W270CU ROANOKE, VIRGINIA 270D
WVJT, LLC
FCC FORM 349
APRIL 2017

This Technical Statement is in support of a minor modification, FCC form 349, being filed on behalf of WVJT, LLC for FM translator W270CU Roanoke, Virginia, facility ID 145165.

WVJT, LLC is proposing to increase the Radiation Center Above Mean Sea Level to 369 meters and to increase the Effective Radiated Power to 250 Watts. The directional antenna system will incorporate a Nicom BKG77 3-bay half-wavelength spaced.

Figure 1 shows a channel interference study conducted from the proposed site for the new translator. In the 2nd line of the table of Figure 1, there is an apparent short spacing, but this is the same facility as this proposal and will be replaced by this application. The pertinent record for further study are:

- 1) WVMP Vinton, Virginia 268A License

The proposed site is located within the protected 60 dB contour of 2nd adjacent station WVMP Vinton, Virginia on channel 268A. The predicted F(50-50) field strength of WVMP at the proposed transmitter site is 86.6 dB . Figure 2 is a table for an ERP of 250 Watts showing the vertical clearance of the interfering contour based on the antenna relative field for various depression angles below horizontal for the antenna. The minimum vertical clearance is 6.2 meters, just greater than 20 feet, and will not reach anyone within the zone of interference. Therefore, the 2nd adjacent interference zone F(50-10) generated by the proposed facility does not reach any population and the applicant, WVJT, LLC, respectfully requests a waiver of C.F.R. 74.1204(d) of the Commission's rules based on the fact that there is no population within the area of predicted interference.

Figure 3 shows the 60 dB contour of the proposed facility, red contour, overlaps the 60 dB contour of the current CP, blue contour.

The proposed operation of W270CU will operate as a fill-in translator rebroadcasting WGMN(AM) Roanoke, Virginia, facility ID #37746. Figure 4 shows that the 60 dB contour of W270CU is entirely within the 2 mV/m contour of WGMN(AM) and entirely within 25 miles, 40.23 km, of the WGMN(AM) site.

It was concluded that the proposed operation of W270CU in Roanoke, Virginia on 270D will not cause any harmful interference to any existing stations and will be in full compliance with the Commission's rules. Let it be noted that should any actual real world interference occur, the applicant acknowledges that it will promptly suspend operation of this translator in accordance with 47 C.F.R. § 74.1203.