

EXHIBIT 12  
TECHNICAL STATEMENT  
W272DI ROANOKE, VIRGINIA 270D  
WVJT, LLC  
FCC FORM 349  
JANUARY 2016

This Technical Statement is in support of a minor modification, FCC form 349, being filed on behalf of WVJT, LLC, to the CP, file number BNPFT-20130816ABD, for FM translator W272DI Roanoke, Virginia, facility ID 145165.

WVJT, LLC is proposing to relocate to an existing tower site, ASR 1049890, at the coordinates N. 37°-15q01+, W. 79°-56q00+, NAD 27 on channel 270D with an Effective Radiated Power of 130 Watts. The Nicom BKY1P, 1-bay, directional antenna system will be mounted at 36 meters Above Ground Level, with a Center of Radiation at 548 meters Above Mean Sea Level.

Figure 1 shows a channel interference study conducted from the proposed site for the new translator. The pertinent records for further study are:

- 1) WVMP Vinton, Virginia 268A License
- 2) WJVR Iron Gate, Virginia 270A License
- 3) WJMH Reidsville, North Carolina 271C0 License
- 4) WBZS Shawsville, Virginia 273A License

The proposed site is located within the protected 60 dB contour of 2<sup>nd</sup> adjacent station WVMP Vinton, Virginia on channel 268A. In fact, the WVMP transmitter is located at the same site operating at an ERP of 1.2 kW while the proposed operation of W272DI operates at 0.13 kW. The field strength of the proposed operation will never exceed that of KVLR and there will be no area of interference that covers any population.

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.

Figures 2 and 3 are predicted coverage maps showing the 40 dB interference contour F(50,10) of the proposed operation and the 60 dB protected contour F(50,50) of WJVR Iron Gate, Virginia on channel 270A. (Figure 3 is a magnification of Figure 2.) As can be seen, there is no prohibited overlap between these two contours.

Figure 4 is a predicted coverage map showing the 54 dB interference contour F(50,10) of the proposed operation and the 60 dB protected contour F(50,50) of WJMH Reidsville, North Carolina on channel 271C0. As can be seen, there is no prohibited overlap between these two contours.

Figure 5 is a predicted coverage map showing the 100 dB interference contour F(50,10) of the proposed operation and the 60 dB protected contour F(50,50) of WBZS Shawsville, Virginia on channel 273A. As can be seen, there is no prohibited overlap between these two contours.

Figure 6 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 W272DI will operate as a fill-in translator rebroadcasting WGMN(AM) Roanoke, Virginia, facility ID #37746. Figure 7 shows that the 60 dB contour of the proposed operation of W272DI is entirely within the WGMN 2 mV/m contour and within 25 miles of the WGMN transmitter site.

WGMN(AM) will make impedance measurements before and after the installation of the antenna for the proposed operation of W272DI.

It was concluded that the proposed operation of W272DI 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.