

Engineering Report
Exhibit 12 – Technical Statement
W295CK Medford, NY
Minor Modification of Construction Permit
March 2015

Abstract

This report is for minor changes to the W295CK construction permit to move the antenna location 6.5 km north of the original authorized location. This change moves the translator to the permittee's preferred location.

The directional antenna, and antenna elevations, are of necessity changed as appropriate for this move. The area covers substantially the same area as authorized, but the site provides for emergency power, and environmentally controlled location for the translator, in addition to greater antenna height. The proposed site does not effect any AM directional antenna.

Fill In Translator Eligibility

Exhibit 10 shows that this application is eligible to serve as a fill in translator for WNYG(AM), Winchester, VA. The applicant is the licensee of WNYG(AM) so retransmission, and identification of the translator is authorized and agreed. This map also shows the changes in coverage due to the antenna relocation, and illustrates the overlap of 60 dbu contours between the authorized and proposed facilities. There is no change in primary station proposed. The proposed F(50,50) is entirely within the 25 mile radius of the WNYG(AM) transmitter location.

Interference

This report is a narrative showing that the requirements of FCC Rules §74.1204 are met.

Co-Channel and First Adjacent

Exhibit 13 Figure 1 is a map showing compliance with co-channel and first adjacent contour overlap requirements. The authorized and proposed contours are shown.

Co-channel Class B station WCCC F(50,50) 54 dbu contour and the proposed F(50,10) 34 dbu contour are shown in red with contour clearance.

First adjacent channel Class A station WLIR-FM, WXPB and WWZY F(50,50) 60 dbu contours and the proposed F(50,10) 54 dbu contour are shown in orange with substantial



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clearance.

First adjacent Class B station WLTW F(50,50) 54 dbu contour and the proposed F(50,10) 48 dbu contour are shown in red with contour clearance.

Second and Third Adjacent and IF spacing

Exhibit 13 Figure 2 is a map showing the relative contour and spacing requirement for second and third adjacent stations and IF spaced stations.

Second adjacent channel Class B station WBLS and the Proposed W295CK F(50,50) 54 dbu contour and the proposed F(50,10) 94 dbu contour is shown in blue with substantial clearance.

Second adjacent channel FM Translator Stations W297BM and W293BT 60 dbu contours and the proposed F(50,10) 100 dbu contour are shown in blue with substantial clearance.

The required spacing for IF spaced stations WJVC is shown in pink showing a large clearance of the IF spacing distance.

In conclusion, the proposed translator meets all the overlap requirements of § 74.1204 of the FCC rules and regulations.