

FM Translator Non-Adjacent Channel Change Minor Modification Required Interference Mitigation Showing

The present W232DE facility suffers from co-channel interference within its primary service area from full service station WLZV(FM), Buckland, VA (Channel 232A). As shown on the attached Exhibit, on its present frequency, W232DE is predicted to receive interference from cochannel station WLZV(FM) to 45.7% of the population and to 49.8% of the area within the FM translator's 60 dBu (1.0 mV/m) service contour. In order to mitigate this interference, the Applicant submits the instant threshold showing to permit the frequency change requested herein as a minor modification in accordance with Section 74.1233(a)(1)(i)(A)(2) of the FCC Rules which became effective on August 13, 2019.

By means of the instant application, the Applicant proposes to change the W232DE output channel from Channel 232 (94.3 MHz) to Channel 268 (101.5 MHz) in order to mitigate the interference from WLZV(FM). Further, as demonstrated elsewhere in this application, the instant proposal is fully-compliant with Section 74.1204(a) of the FCC Rules such that no new interference will be caused to any pertinent cochannel and adjacent channel assignments, authorizations or applications.

Accordingly, because the requested channel change will mitigate interference at the existing frequency and will not cause any new interference at the new frequency, the instant proposal may be considered a minor modification in accordance with Section 74.1233(a)(1)(i)(A)(2) of the FCC Rules.



CARL T. JONES CORPORATION

Predicted Interference on Existing Frequency
W232DE, Potomac, MD (94.3 MHz)
September, 2022

Predicted Area of Cochannel Interference Where D/U Ratio is < 20 dB

Area = 110.1 sq. km.
Population = 57,731 persons

■ W232DE (232)
■ WLZV (232)

60 dBu F(50,50)
Area = 221.2 sq. km
Population = 126,341

40 dBu F(50,10)

60 dBu F(50,50)

40 dBu F(50,10)

Scale 1:1,000,000
0 10 20 30 km

