

FM Translator Non-Adjacent Channel Change

Minor Modification Required Interference Mitigation Showing

The presently authorized K300DO facility (FCC File No. BNPFT-20180503ABV) suffers from cochannel interference within its primary service area from full service station KFMW(FM), Waterloo, IA (Channel 300C). As shown on the attached Exhibit, on its present frequency, K300DO is predicted to receive interference from cochannel station KFMW(FM) to 50.0% of the population and to 48.4% 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 K300DO output channel from Channel 300 (107.9 MHz) to Channel 267 (101.3 MHz) in order to mitigate the interference from KFMW(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.

Predicted Interference on Existing Frequency

K300DO, Des Moines, IA (107.9 MHz)
 September, 2021

- K300DO.CP (300)
- KFMW (300)

60 dBu F(50,50)
 Area = 135.2 sq. km
 Population = 66,176

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

 Area = 65.45 sq. km.
 Population = 33,080 persons

40 dBu F(50,10)

