

**Section 74.1204 - Statement of Compliance
AM Revitalization Auction 99 FM Translator
Application for Minor Modification of CP
Translator Station W231DO Facility ID. 201335
February, 2018**

This application is for a minor modification of Construction Permit for FM translator station W231DO to rebroadcast Class D AM station: WRUS, Russellville, KY (Facility ID 73971). This application proposes to increase the antenna height and change the antenna pattern to a directional Nicom BKG-77 antenna.

As discussed below, the instant proposal complies with the protection requirements set forth in Section 74.1204 of the FCC Rules

Section 74.1204 Contour Overlap Protection Criteria

Attached are two maps which demonstrate that proposed technical facility complies with the contour overlap provisions of Section 74.1204(a) of the FCC Rules with respect to all pertinent cochannel (See Exhibit 1) and first-adjacent channel (See Exhibit 2) assignments, authorizations and applications. The instant proposal is well clear of all other relevant protection considerations not represented herein.

Section 74.1204 CoChannel Contour Overlap Study

Exhibit 1 February, 2018

Key to Stations on Map

- W231DO.A
- WFFH.231A.FAC.ID.68347
- WLYE-FM.231A.FAC.ID.57897

W231DO.A
Russellville, KY
Latitude: 36-50-41 N
Longitude: 086-55-21 W
ERP: 0.25 kW
Channel: 231
Frequency: 94.1 MHz
AMSL Height: 383.0 m
Horiz. Pattern: Directional

Section 74.1204 Contours

Proposed FX Interfering Contour (DASHED):
40 dBu F(50,10) to Class A & FX & LPFM
40 dBu F(50,10) to Class C, C0, C1, C2, C3
37 dBu F(50,10) to Class B1 FM Station
34 dBu F(50,10) to Class B FM Station

Relevant Protected Contours (SOLID):
Class A, C, Cx, FX & LPFM = 60 dBu F(50,50)
Class B1 FM Station = 57 dBu F(50,50)
Class B FM Station = 54 dBu F(50,50)

Scale 1:975,000



Section 74.1204 First-Adjacent Channel Contour Overlap Study

Exhibit 2

February, 2018

Key to Stations on Map

- W231DO.A
- WKTG.230C2.FAC.ID.60877
- W230AD.230D.FAC.ID.67635
- WRND-FM.232A.FAC.ID.14915

W231DO.A

Russellville, KY
Latitude: 36-50-41 N
Longitude: 086-55-21 W
ERP: 0.25 kW
Channel: 231
Frequency: 94.1 MHz
AMSL Height: 383.0 m
Horiz. Pattern: Directional

Section 74.1204 Contours

Proposed FX Interfering Contour (DASHED):
54 dBu F(50,10) to Class A & FX & LPFM
54 dBu F(50,10) to Class C, C0, C1, C2 & C3
51 dBu F(50,10) to Class B1 FM Station
48 dBu F(50,10) to Class B FM Station

Relevant Protected Contours (SOLID):
Class A & FX & LPFM = 60 dBu F(50,50)
Class C, C0, C1, C2 & C3 = 60 dBu F(50,50)
Class B1 FM Station = 57 dBu F(50,50)
Class B FM Station = 54 dBu F(50,50)

Scale 1:975,000

0 10 20 30 km