

Exhibit 13-C
Section 74.1204
Contour Protection to WDAF-FM

This comprehensive exhibit has been prepared to demonstrate that the K295CH modification will not cause prohibited interference to second adjacent station WDAF-FM, Channel 293C1, Liberty, Missouri. The WDAF-FM F(50,50) protected contour at the K295CH application site is 106.2 dBu. Therefore the K295CH F(50,10) interfering contour with respect to WDAF-FM is the 146.2 dBu contour. Using the FCC's FM propagation curves program (see attached), the 146.2 dBu contour was calculated to extend 5 meters from the antenna.

It is believed that the proposed modification to K295CH will not cause prohibited interference to WDAF-FM as no interference reaches the ground. The closest the interfering contour comes to the ground is approximately 275 meters. There are no high rise or multi story buildings located near the proposed K295CH tower site. Therefore it is believed the proposed K295CH is in compliance with Section 74.1204 contour protection rules with respect to WDAF-FM.

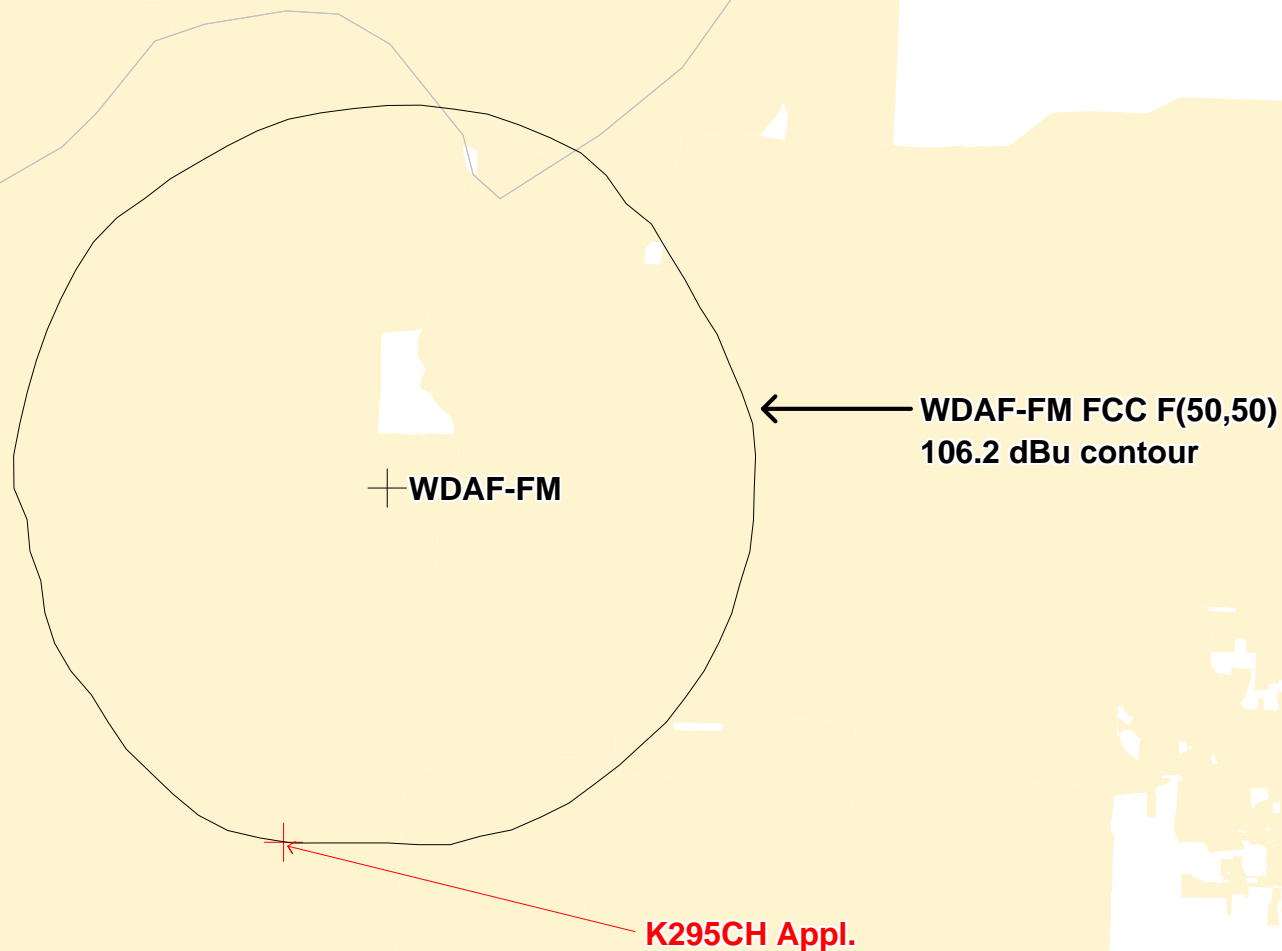
Exhibit 13-C
Section 74.1204 Contour Protection
WDAF-FM CH293C1 Liberty, MO

The WDAF-FM FCC F(50,50) protected contour at the K295CH Appl. Site is 106.2 dBu. Therefore the K295CH FCC F(50,10) interfering contour with respect to WDAF-FM is 146.2 dBu.

WDAF-FM
Liberty, MO
39-04-24 N. ~ 94-29-06 W.
ERP: 100 kW HAAT: 299 m
Frequency: 106.5 MHz
Channel 293C1
RC-AMSL: 565 m
Horizontal Pattern: Omni

K295CH Proposed Facility
Kansas City, MO
39-00-56.5 N. ~ 94-30-24.2 W.
ERP: .25 kW
Frequency: 106.9 MHz
Channel 295D
RC-AMSL: 555.3 m
Horizontal Pattern: Directional

HORIZON
BROADCAST SOLUTIONS



3 0 3 6
Kilometers

Screen 3 - Results

Results of Calculation

Distance to Contour = 0.005 kilometers

[Back to Numeric Entries](#)

[Back to Initial Selections](#)

Input Data from Screens 1 and 2

ERP = 0.250 kW

HAAT = 280.0 meters

Field Strength = 146.1 dBu

Distances are in **meters and kilometers**

Power is in **kW (kilowatts)**

Field Strength is in **dBu**

NTSC TV Channels 7 through 13

F(50,10) for interfering contours selected

Find Distance, given a Field Strength