

**Exhibit 13-B**  
**Section 74.1204**  
**Contour Protection to WSTZ-FM**

This comprehensive exhibit has been prepared to demonstrate that the K258CH CP modification will not cause prohibited interference to WSTZ-FM, Channel 294C, Vicksburg, MS.

This statement demonstrates that a lack of population and/or other factors allow this proposal to be compliant with Section 74.1204. The process commonly called “Living Way,” allows for the use of U/D Analysis, also known as “signal strength ratio methodology.” In this instant case the facilities to be protected are second adjacent and are to be afforded protection from signals 40 dB stronger than they present in the location of the proposed antenna location.

The FCC F(50,50) contour for WSTZ-FM at the K258CH application site is 87.1 dBu. Therefore the K258CH F(50,10) interfering contour with respect to WSTZ-FM is the 127.1 dBu contour. The contour distance for the K258CH 127.1 dBu interfering contour was then calculated using the FCC's FM Propagation Curves program. The 127.1 dBu contour will extend just 43.3 meters from the antenna, which will be mounted 128 meters above ground level. There are no high rise buildings near the tower. The contour will only extend to within 84.7 meters of ground level. The proposed modification to K258CH will not cause prohibited interference to WSTZ-FM as no interference reaches the ground or any population.

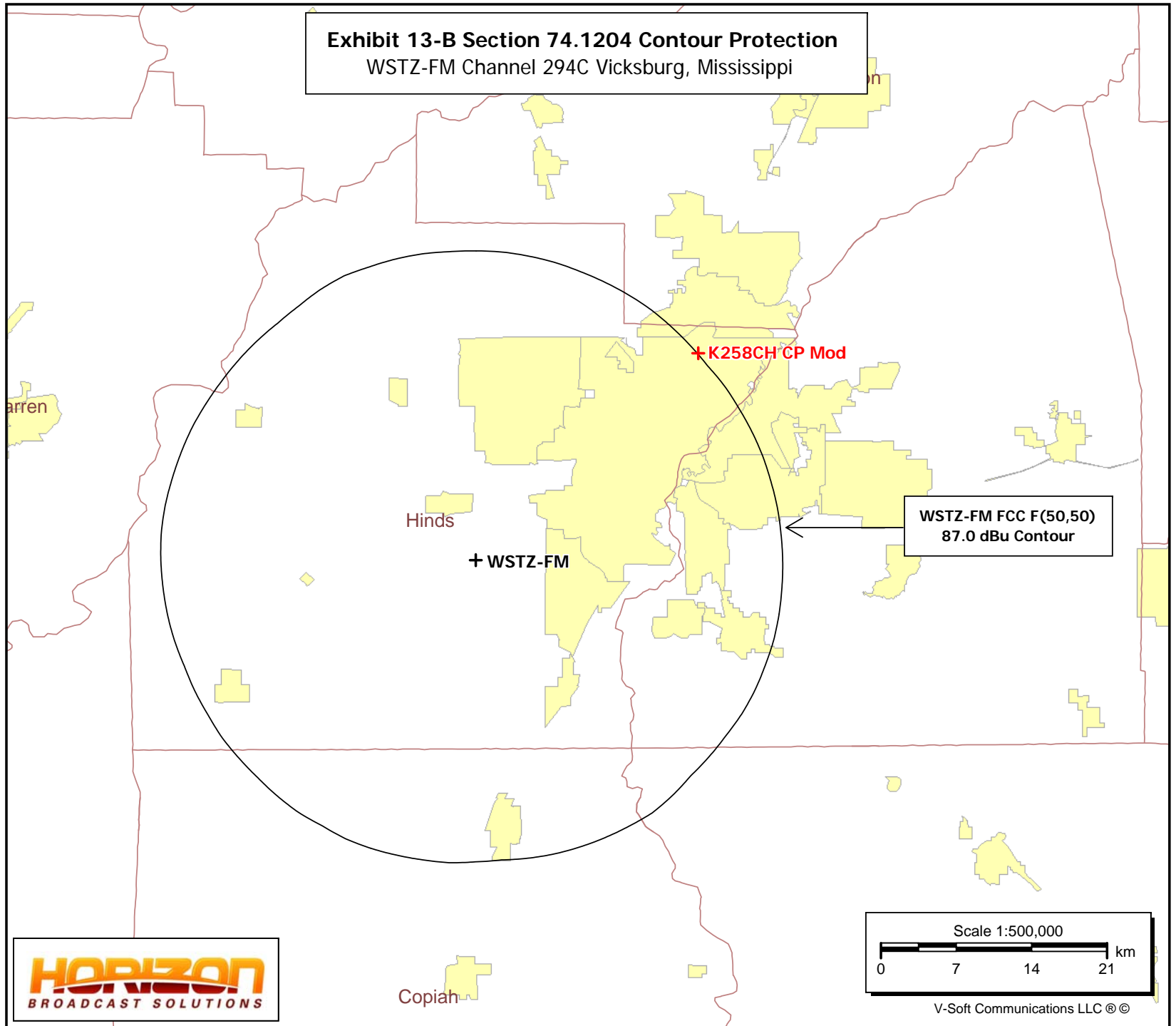
Therefore, it is believed that the proposed modification to K258CH is in compliance with Section 74.1204 with respect to WSTZ-FM.

**K258CH CP Mod**

Jackson, MS  
BPFT-20160729ACE  
Latitude: 32-23-12 N  
Longitude: 090-09-47 W  
ERP: 0.195 kW  
HAAT: 126 m  
Channel: 296  
Frequency: 107.1 MHz  
AMSL Height: 223.0 m  
Elevation: 95.0 m  
Horiz. Pattern: Omni  
Vert. Pattern: No  
Prop Model: None

**WSTZ-FM**

Vicksburg, MS  
BLH20010806AAD  
Latitude: 32-12-49 N  
Longitude: 090-22-56 W  
ERP: 85.00 kW  
HAAT: 575.0 m  
Channel: 294  
Frequency: 106.7 MHz  
AMSL Height: 667.0 m  
Elevation: 125.0 m  
Horiz. Pattern: Omni  
Vert. Pattern: No  
Prop Model: None

**Exhibit 13-B Section 74.1204 Contour Protection**  
WSTZ-FM Channel 294C Vicksburg, Mississippi

**HORIZON**  
BROADCAST SOLUTIONS

Scale 1:500,000  
0 7 14 21 km  
V-Soft Communications LLC ©

Select Contour Type:

F(50,50) Service Contour -- FM and NTSC (analog) TV  
**F(50,10) Interfering Contour**  
 F(50,90) Digital TV Service Contour

Select Channel Range:  
 (not TV Virtual Channel)

**FM Radio or TV Transmit Channels 2-6**  
 TV Transmit Channels 7-13  
 TV Transmit Channels 14-69

Find This:

Field Strength, given a Distance (in km)  
**Distance, Given a Field Strength (in dBu)**  
 FM ERP, given Distance and Field Strength [F(50,50) Service Contour]

ERP (kW)

Distance (km)

HAAT (meters)

Field (dBu)



Results:

Calculated Distance = **0.043 km**

Free Space equation used to compute distance.