

**K247CB Appl.**

Austin, TX  
Latitude: 30-19-23.10 N  
Longitude: 097-47-58.50 W  
ERP: 0.25 kW  
HAAT: 297 m  
Channel: 248  
Frequency: 97.5 MHz  
AMSL Height: 514.3 m  
Elevation: 249.3 m  
Horiz. Pattern: Directional  
Vert. Pattern: No  
Prop Model: FCC Model  
Loc. Variability: 50.0%  
Time Variability: 50.0%  
HAAT Mthd: FCC

**KWTX-FM**

Waco, TX  
BLH19981125KE  
Latitude: 31-20-15 N  
Longitude: 097-18-37 W  
ERP: 100.00 kW  
Channel: 248  
Frequency: 97.5 MHz  
AMSL Height: 651.0 m  
Elevation: 243.0 m  
Horiz. Pattern: Omni  
Vert. Pattern: No  
Prop Model: FCC Model  
Loc. Variability: 50.0%  
Time Variability: 50.0%  
HAAT Mthd: FCC

**EXHIBIT 13-B Section 74.1204**  
Contour Protection: KWTX

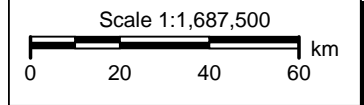
FCC F(50,50)  
60 dBu contour

+ KWTX-FM

+ K247CB Appl.

FCC F(50,10)  
40 dBu contour

**HORIZON**  
BROADCAST SOLUTIONS



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**K247CB Appl.**

Austin, TX  
Latitude: 30-19-23.10 N  
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Channel: 248  
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AMSL Height: 514.3 m  
Elevation: 249.3 m  
Horiz. Pattern: Directional  
Vert. Pattern: No  
Prop Model: FCC Model  
Loc. Variability: 50.0%  
Time Variability: 50.0%  
HAAT Mthd: FCC

**KWTX-FM**

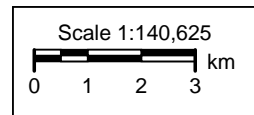
Waco, TX  
BLH19981125KE  
Latitude: 31-20-15 N  
Longitude: 097-18-37 W  
ERP: 100.00 kW  
Channel: 248  
Frequency: 97.5 MHz  
AMSL Height: 651.0 m  
Elevation: 243.0 m  
Horiz. Pattern: Omni  
Vert. Pattern: No  
Prop Model: FCC Model  
Loc. Variability: 50.0%  
Time Variability: 50.0%  
HAAT Mthd: FCC

**EXHIBIT 13-B Section 74.1204**

Contour Protection: KWTX  
(View of contours at closest point.  
Contours do not overlap.)

KWTX  
FCC F(50,50)  
60 dBu contour

FCC F(50,10)  
40 dBu contour



**EXHIBIT 13-C**  
**Section 74.1204**  
**Contour Protection:**  
**KVET-FM - Channel 251C1 - Austin, TX**

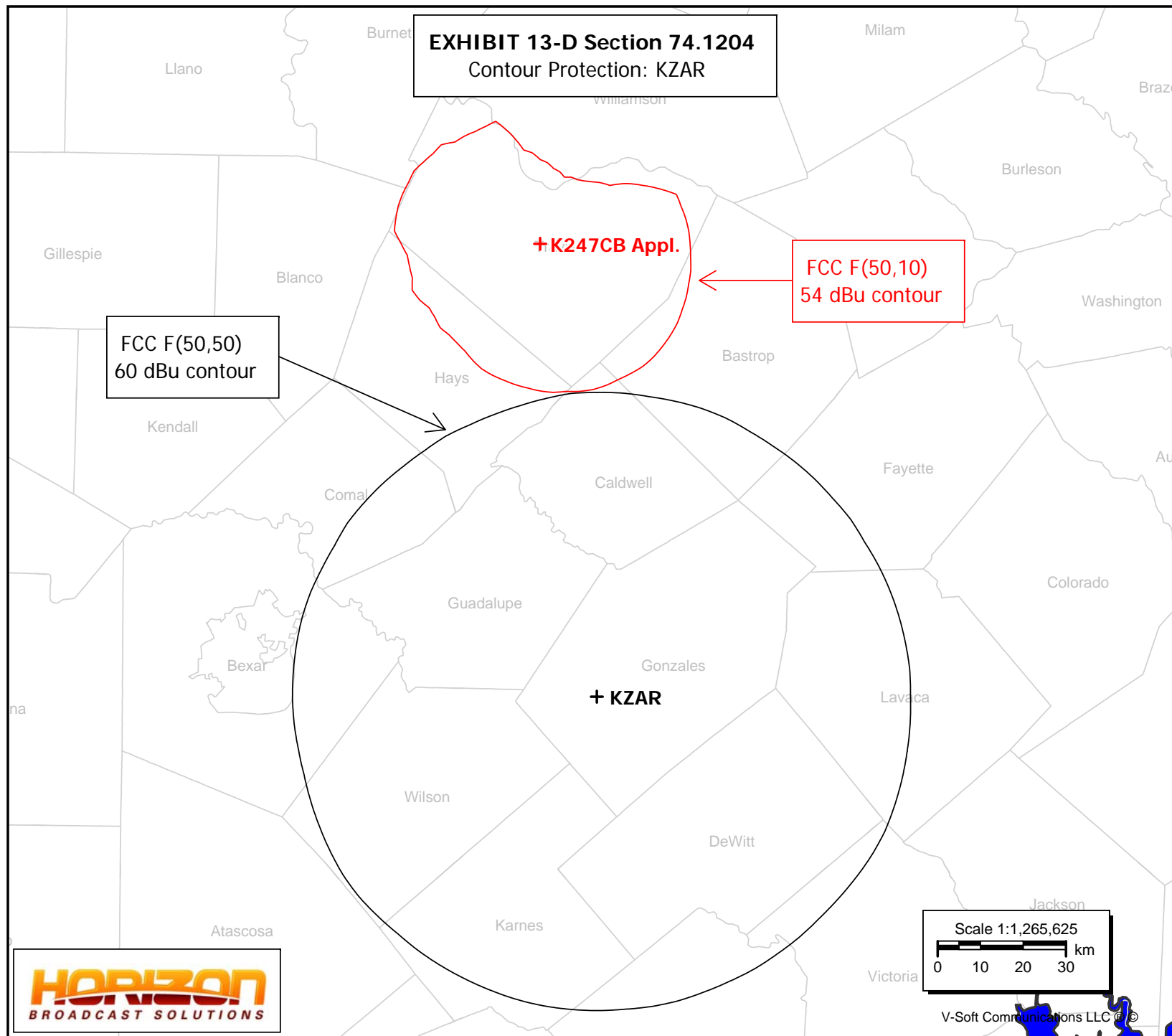
This proposed K247CB facility on Channel 248D (97.5 MHz) at Austin, TX proposes to operate from the same tower as KVET-FM Channel 251C1, Austin, TX and thus are co-located. Therefore, the K247CB interfering contour with respect to this 3rd adjacent full power FM station is too small to be calculated and will not reach the ground.

**K247CB Appl.**

Austin, TX  
Latitude: 30-19-23.10 N  
Longitude: 097-47-58.50 W  
ERP: 0.25 kW  
HAAT: 297 m  
Channel: 248  
Frequency: 97.5 MHz  
AMSL Height: 514.3 m  
Elevation: 249.3 m  
Horiz. Pattern: Directional  
Vert. Pattern: No  
Prop Model: FCC Model  
Loc. Variability: 50.0%  
Time Variability: 50.0%  
HAAT Mthd: FCC

**KZAR**

McQueeney, TX  
BMLED20110826AAG  
Latitude: 29-22-11 N  
Longitude: 097-39-44 W  
ERP: 100.00 kW  
Channel: 249  
Frequency: 97.7 MHz  
AMSL Height: 403.0 m  
Elevation: 106.0 m  
Horiz. Pattern: Omni  
Vert. Pattern: No  
Prop Model: None

**EXHIBIT 13-D Section 74.1204**  
Contour Protection: KZAR

**K247CB Appl.**

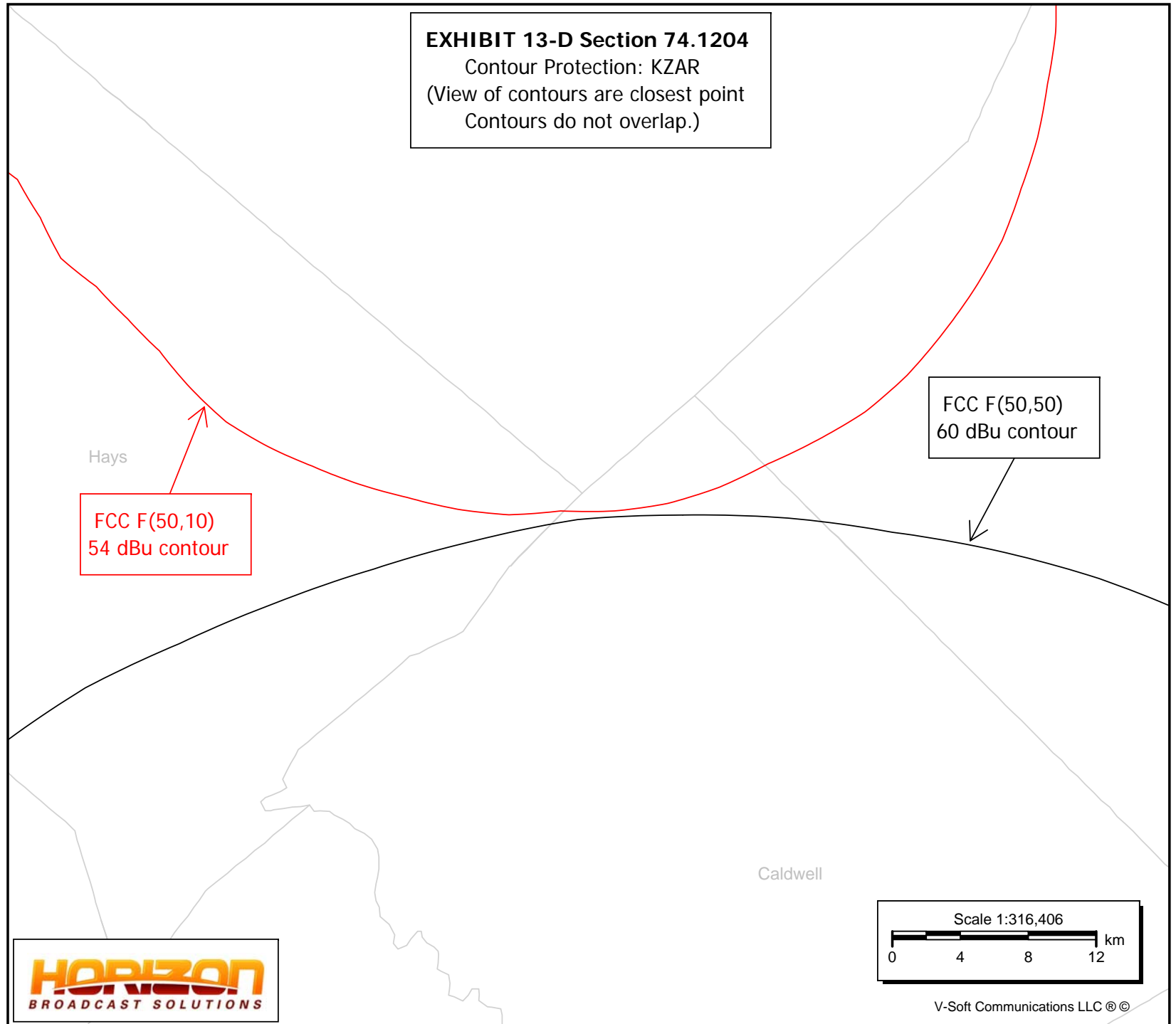
Austin, TX  
Latitude: 30-19-23.10 N  
Longitude: 097-47-58.50 W  
ERP: 0.25 kW  
HAAT: 297 m  
Channel: 248  
Frequency: 97.5 MHz  
AMSL Height: 514.3 m  
Elevation: 249.3 m  
Horiz. Pattern: Directional  
Vert. Pattern: No  
Prop Model: FCC Model  
Loc. Variability: 50.0%  
Time Variability: 50.0%  
HAAT Mthd: FCC

**KZAR**

McQueeney, TX  
BMLED20110826AAG  
Latitude: 29-22-11 N  
Longitude: 097-39-44 W  
ERP: 100.00 kW  
Channel: 249  
Frequency: 97.7 MHz  
AMSL Height: 403.0 m  
Elevation: 106.0 m  
Horiz. Pattern: Omni  
Vert. Pattern: No  
Prop Model: None

**EXHIBIT 13-D Section 74.1204**

Contour Protection: KZAR  
(View of contours are closest point  
Contours do not overlap.)



**K247CB Appl.**

Austin, TX  
Latitude: 30-19-23.10 N  
Longitude: 097-47-58.50 W  
ERP: 0.25 kW  
HAAT: 297 m  
Channel: 248  
Frequency: 97.5 MHz  
AMSL Height: 514.3 m  
Elevation: 249.3 m  
Horiz. Pattern: Directional  
Vert. Pattern: No  
Prop Model: FCC Model  
Loc. Variability: 50.0%  
Time Variability: 50.0%  
HAAT Mthd: FCC

**KAJA**

San Antonio, TX  
BMLH20010412AAK  
Latitude: 29-31-25 N  
Longitude: 098-43-25 W  
ERP: 100.00 kW  
Channel: 247  
Frequency: 97.3 MHz  
AMSL Height: 612.0 m  
Elevation: 274.0 m  
Horiz. Pattern: Omni  
Vert. Pattern: No  
Prop Model: None

**EXHIBIT 13-E Section 74.1204**  
Contour Protection: KZAR**FCC F(50,10)**  
54 dBu contour**+K247CB Appl.****FCC F(50,50)**  
60 dBu contour**+KAJA****HORIZON**  
BROADCAST SOLUTIONS

Scale 1:1,265,625  
0 10 20 30 km

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**EXHIBIT 13-F**  
**Section 74.1204**  
**Contour Protection:**  
**K246BD - Channel 246D - Sunset Valley, TX**

This proposed K247CB facility on Channel 248D (97.5 MHz) at Austin, TX proposes to operate from the same tower as K246BD Channel 246D, Sunset Valley, TX and thus are co-located. Therefore, the K247CB interfering contour with respect to this 2nd adjacent FM translator is too small to be calculated and will not reach the ground.