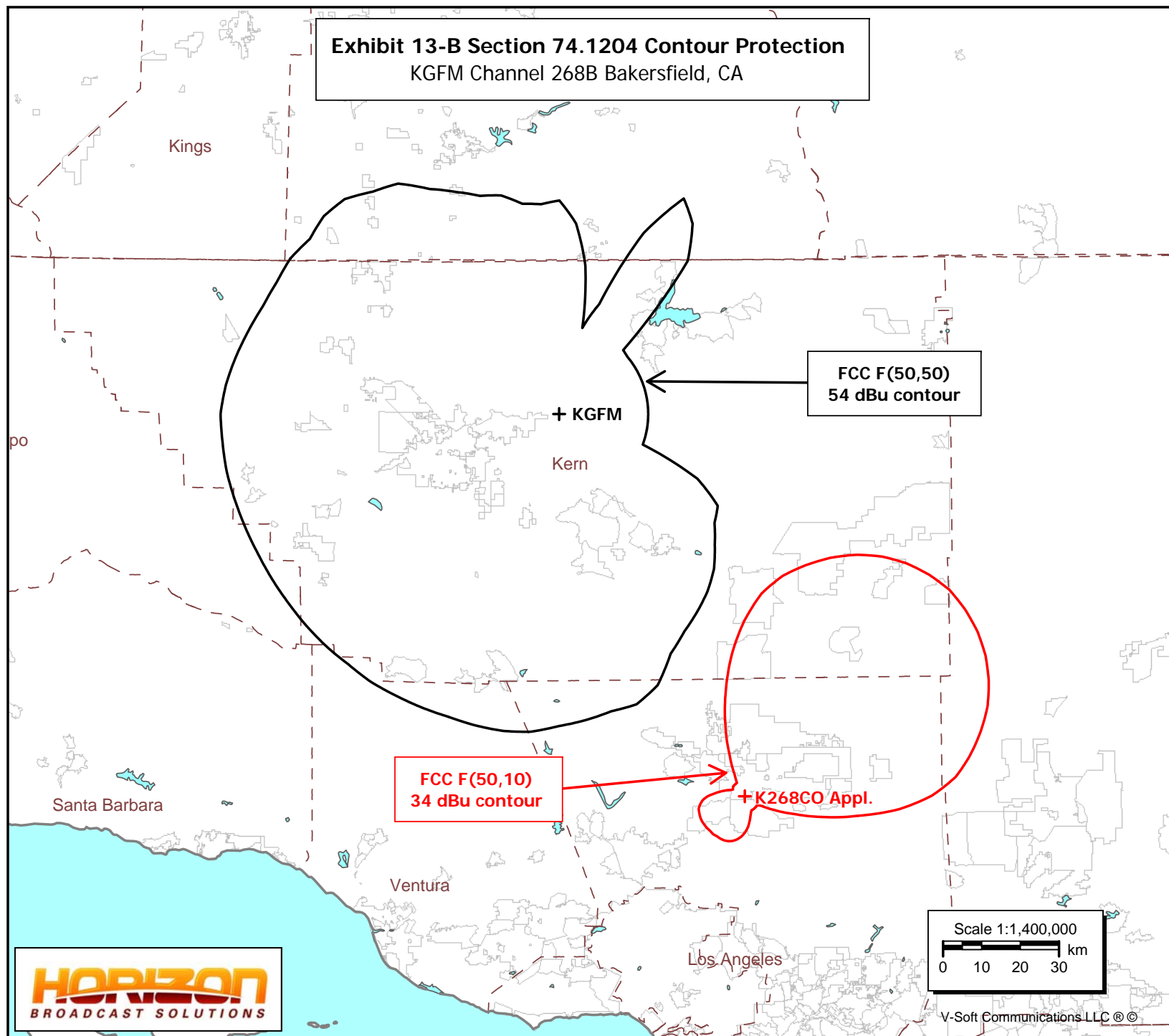


**K268CO Appl.**

Lake Los Angeles, CA  
Latitude: 34-32-50 N  
Longitude: 118-12-56.70 W  
ERP: 0.01 kW  
HAAT: 639 m  
Channel: 268  
Frequency: 101.5 MHz  
AMSL Height: 1591.0 m  
Elevation: 1585.0 m  
Horiz. Pattern: Directional  
Vert. Pattern: No  
Prop Model: None

**KGFM**

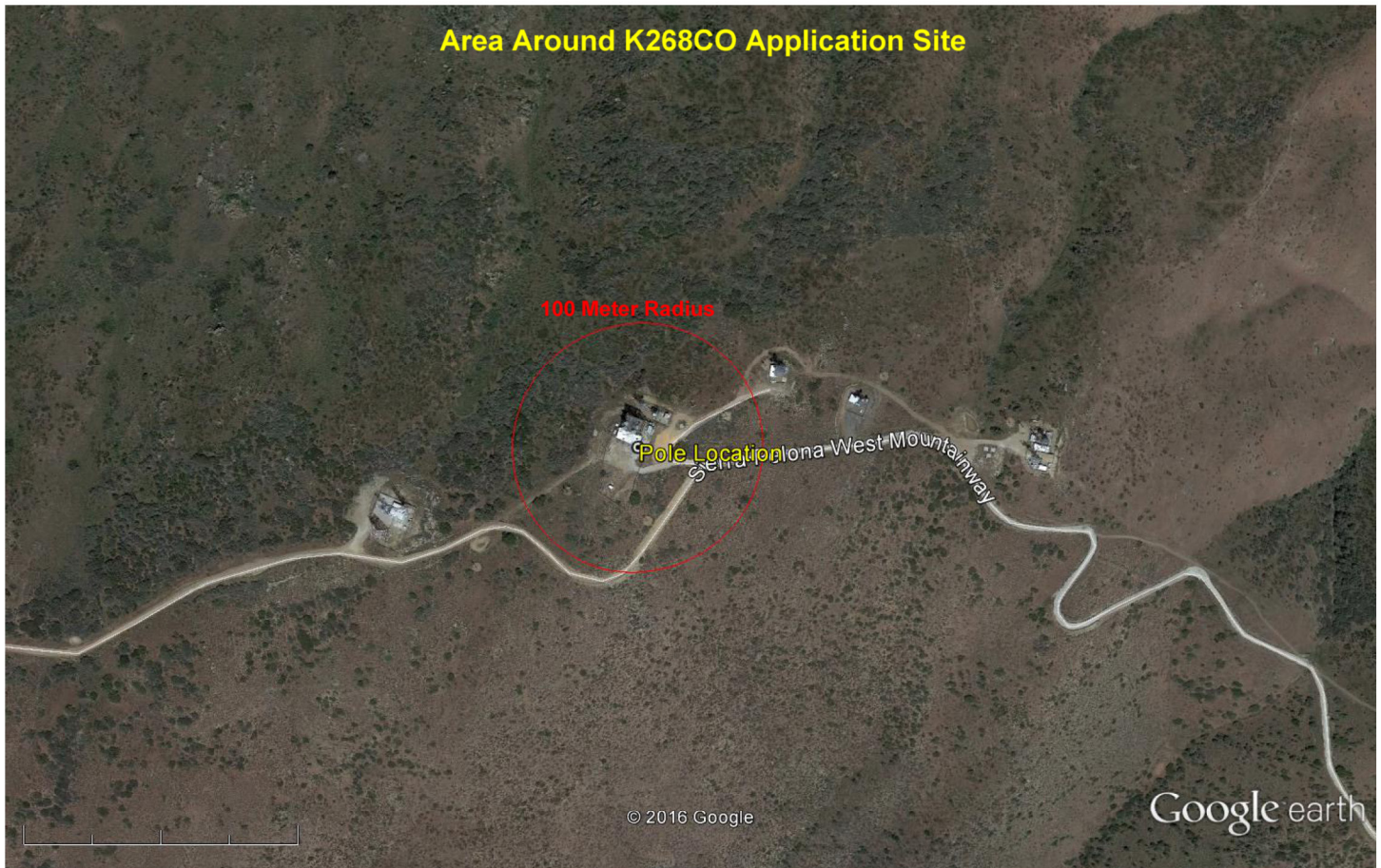
Bakersfield, CA  
BLH19960516KC  
Latitude: 35-26-17 N  
Longitude: 118-44-22 W  
ERP: 6.70 kW  
HAAT: 396.0 m  
Channel: 268  
Frequency: 101.5 MHz  
AMSL Height: 1111.0 m  
Elevation: 1074.0 m  
Horiz. Pattern: Omni  
Vert. Pattern: No  
Prop Model: None

**Exhibit 13-B Section 74.1204 Contour Protection**  
KGFM Channel 268B Bakersfield, CA

**Exhibit 13-C**  
**Section 74.1204**  
**Contour Protection to KRTH**

This comprehensive exhibit has been prepared to demonstrate that the K268CO modification will not cause prohibited interference to KRTH, Channel 266B, Los Angeles, California. The KRTH F(50,50) protected contour at the K268CO application site is 81.0 dBu. Therefore, the K268CO F(50,10) interfering contour with respect to KRTH is the 121.0 dBu contour. Using the FCC's FM propagation curves program (see attached), the 121.0 dBu contour was calculated to extend just 20 meters from the K268CO antenna. The K268CO transmitter site is in a remote location. The nearest occupied building is approximately 1,000 meters to the southwest and 1,000 feet lower in elevation. The attached Google Earth screenshot shows the area around the tower and a 100 meter radius from tower is shown in red. It is believed that the proposed modification to K268CO will not cause prohibited interference to KRTH as there is no population or occupied buildings near the tower.

## Area Around K268CO Application Site



Google earth

feet 1000  
meters 600



## Screen 3 - Results

### Results of Calculation

**Distance to Contour = 0.020 kilometers**

[Back to Numeric Entries](#)

[Back to Initial Selections](#)

### Input Data from Screens 1 and 2

ERP = 0.010 kW

HAAT = 619.0 meters

Field Strength = 121.0 dBu

**Distances** are in **meters and kilometers**

**Power** is in **kW (kilowatts)**

**Field Strength** is in **dBu**

**FM and NTSC TV Channels 2 through 6**

**F(50,50)** for service contours selected

**Find Distance, given a Field Strength**

**Exhibit 13-D**  
**Section 74.1204**  
**Contour Protection to KSCA**

This comprehensive exhibit has been prepared to demonstrate that the K268CO modification will not cause prohibited interference to KSCA, Channel 270B, Glendale, California. The KSCA F(50,50) protected contour at the K268CO application site is 69.2 dBu. Therefore, the K268CO F(50,10) interfering contour with respect to KSCA is the 109.2 dBu contour. Using the FCC's FM propagation curves program (see attached), the 109.2 dBu contour was calculated to extend 77 meters from the K268CO antenna. The K268CO transmitter site is in a remote location. The nearest occupied building is approximately 1,000 meters to the southwest. The attached Google Earth screenshot shows the area around the tower and a 100 meter radius from tower is shown in red. It is believed that the proposed modification to K268CO will not cause prohibited interference to KSCA as there is no population or occupied buildings near the tower.



## Area Around K268CO Application Site



Google earth

feet  
meters

1000

600



## Screen 3 - Results

### Results of Calculation

**Distance to Contour = 0.079 kilometers**

[Back to Numeric Entries](#)

[Back to Initial Selections](#)

### Input Data from Screens 1 and 2

ERP = 0.010 kW

HAAT = 619.0 meters

Field Strength = 109.0 dBu

**Distances** are in **meters and kilometers**

**Power** is in **kW (kilowatts)**

**Field Strength** is in **dBu**

**FM and NTSC TV Channels 2 through 6**

**F(50,50)** for service contours selected

**Find Distance, given a Field Strength**