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**B. W. St. Clair**

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**Engineering Exhibit in Support of  
Application BNPTT-20000831CMI,  
Channel 23 Woodland/Kamas, UT**

A waiver of the 121 km spacing from Salt Lake City, UT is requested on the basis of the terrain shielding which exists between the site in the application and the Salt Lake City metropolitan area.

The isolation is further illustrated by the number of translators that are currently licensed and operating in rural Summit County that rebroadcast Salt Lake City primary stations into the mountain communities.

If further information would be helpful, please let me know.

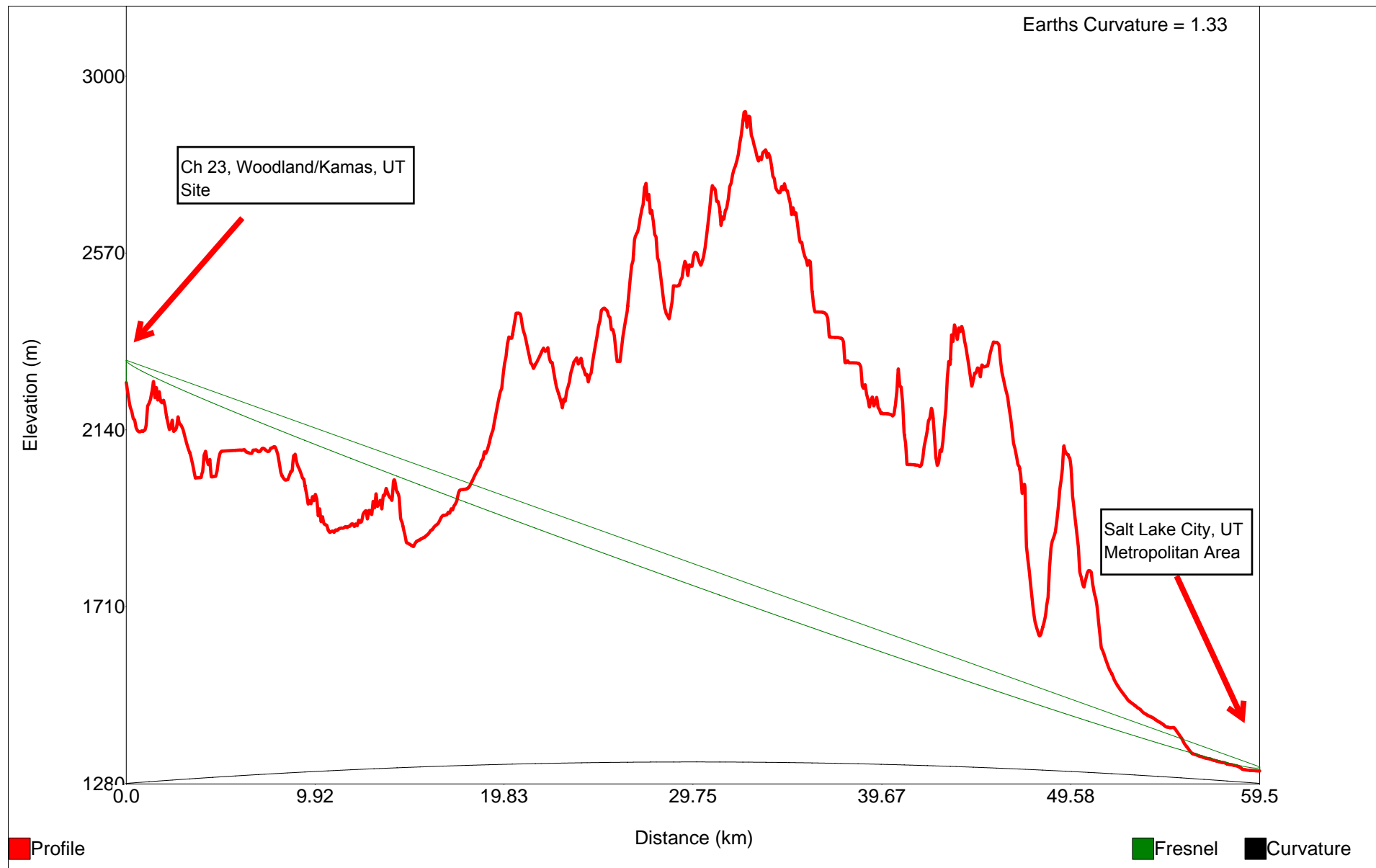
Sincerely,



B. W. St. Clair  
Engineering Consultant  
February 26, 2004

Attached Exhibit:  
Terrain Profile from Ch 23 Woodland site to  
Salt Lake City, UT

# Ch 23 Woodland/Kamas, UT to Salt Lake City, UT



Starting Latitude: 40-33-59 N

Starting Longitude: 111-14-31 W

End Latitude: 40-45-44.27 N

End Longitude: 111-53-48.62 W

Distance: 59.50 km

Bearing: 291.66 deg

B. W. St. Clair  
Engineering Consultant  
February 26, 2004

Transmitter Height (AG) = 54.2 m

Receiver Height (AG) = 10.0 m

Transmitter Elevation = 2254.8 m

Receiver Elevation = 1310.0 m

Frequency = 527.0 MHz

Fresnel Zone: 0.6