

Exhibit 6 - Engineering Statement Addition  
in support of an  
Application BMPTTL20041201BTX  
Channel 49, Pittsburg, KS  
DEAN M. MOSELY

### INTRODUCTION

Applicant is modifying a construction permit for K49GR. The new site which is available to the applicant is less than the 121 km from the Rogers, AR reference coordinates.

### DISCUSSION

It should be noted first that the minimum distance from major cities was set at 121 km (75 miles) in order to provide a priority to LPTV and TV translator applications that would serve areas outside the range of the top 100 major market stations where generally fewer over-the-air signals are available. The distance of 75 miles was chosen as a reasonable dividing line but the exact distance was not based on firm engineering principles. A distance of 108 km is still within the spirit of the August 2000 window application restriction.

The attached map shows an insignificant amount of population<sup>1</sup> that would receive service from the proposed LPTV station as defined by KAFT-TV's FCC Grade B contour. KAFT-TV, Fayetteville, AR, was chosen as the station in the Rogers/Springdale/Fayetteville/Ft. Smith (DMA) protected market with the highest ERP and located the closest to Pittsburg, KS. Thus, this station represents the worst case for showing coverage overlap. Therefore, the signals from the proposed K49GR application do not get into the protected market and signals from the protected market do not get into the Pittsburg, KS area.

A terrain path profile from the proposed location of K49GR towards KAFT-TV is included. It should be noted that the Pittsburg, KS location chosen for an available tower is quite a bit lower in elevation than the terrain going towards the south and a little east. Also note that around the 30 km distance from the proposed station, there is a ridge which effectively blocks the signal from the Rogers, AR DMA.

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<sup>1</sup>

There are only 196 people inside the KAFT protected contour that could possibly receive signals from the proposed LPTV station. The population count is based on the 2000 US Census report.

### **CONCLUSION**

Application BMPTTL20041201BTX is consistent with the spirit of the geographic restriction applicable to the August 2000 window applications, first because it is short spaced by only 12.6 km and second because it serves an area not served by the Rogers/Springdale/Fayetteville/Ft. Smith DMA stations and does not provide service into the Rogers/ Springdale/Fayetteville DMA market.

This statement is based on information from the FCC CDBS database and the instant application. It is true and correct to the best of my knowledge and belief.

Respectfully submitted,

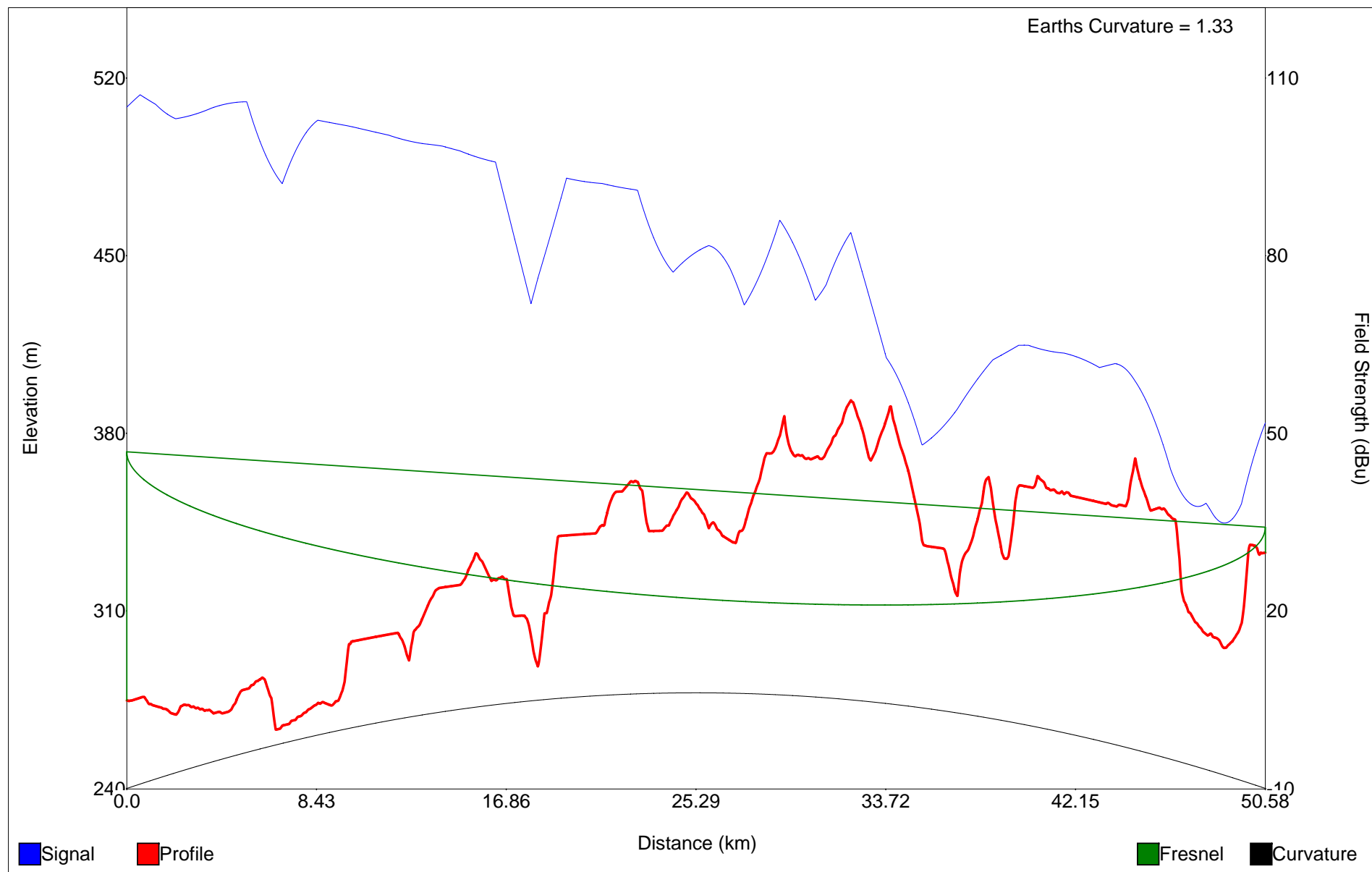
A handwritten signature in black ink, appearing to read "B. W. St. Clair".

B. W. St. Clair  
Engineering Consultant

07 December 2004

Prepared By:  
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07 December 2004

# PROFILE FROM K49GR APP TO KAFT-TV's GRADE B CONTOUR



Starting Latitude: 37-11-29.90 N  
Starting Longitude: 094-41-18.20 W

End Latitude: 36-45-51.73 N  
End Longitude: 094-29-26.32 W

Distance: 50.58 km  
Bearing: 159.57 deg

Transmitter Height (AG) = 98.0 m  
Receiver Height (AG) = 10.0 m

Transmitter Elevation = 274.7 m  
Receiver Elevation = 332.9 m

Frequency = 683.0 MHz  
Fresnel Zone: 0.6

