



## Engineering Statement

### Section III-B, Exhibit 22

Champlin Broadcasting, Inc., (hereinafter referred to as “Champlin”), has retained this firm to file an application for a construction permit for the proposed channel 296C3 facility, in response to requirements detailed in FCC Public Notice DA 06-252.

### Background

Champlin was identified as the winning bidder in FCC Auction No. 62, for Permit No. MM-FM436-C3 at Alva, Oklahoma. The Commission issued a deadline of March 10, 2006 by which Champlin must file application 301-FM, detailed in FCC Public Notice DA 06-252.

### Purpose

Champlin has located a suitable site in rural northwest Oklahoma at coordinates N36-46-50, W98-33-40. This site is perfectly suited for a broadcast tower due to its remote location in a sparsely populated area. The nearest airport is Alva Municipal Airport, 9.8 km distant on a bearing of 265.3 degrees.

Exhibit #25 demonstrates a fully spaced location, complying with all aspects of FCC 73.207.

Champlin will locate the main studio for the proposed 296 C3 facility at 316 E. Willow, Enid, Oklahoma. Exhibit #24 demonstrates compliance with FCC 73.1125. The main studio site falls within the city-grade contour of KNID-FM, also licensed to Alva, Oklahoma.

Exhibit #23 demonstrates ample coverage to the license community of Alva. The city-grade contour extends 21.9 km on a bearing of 286.14 degrees. The most distant city limit boundary on this radial for Alva is 11.18 km. Thus the selected tower site is in full compliance with FCC 73.315.



### RF Exposure

The new antenna system will be in compliance with respect to exposure to harmful radio frequency exposure. Access to the tower will be restricted with a fence with locked gate. The transmitter power will be reduced or turned off to protect workers who must climb the tower. Signs will be posted warning of the radiation danger. Exhibit #30 demonstrates predicted exposure limits to be far below the allowable maximums.

The proposed facility will be in full compliance with the Commission's Rules. The facility will be constructed as authorized by the Commission under the standards of good engineering practice.

Respectfully Submitted,

William H. Nolan  
Managing Member  
Broadcast Technical Associates, LLC



### ***Engineer's Certification***

I, William H. Nolan, with offices at 1632 S. Maize Road, Wichita, KS, have been retained for the purpose of preparing the technical data forming this report.

My work is a matter of record before the Federal Communications Commission. I have filed numerous applications that have been subsequently granted by the Commission. I have spent 24 years in the broadcast industry, and have designed and constructed numerous radio stations in that time, including AM and FM facilities.

I declare under penalty of perjury that the contents of this report are true and accurate to the best of my knowledge and belief.

Signed: *William H. Nolan* Date: 03/01/2006

William H. Nolan  
Managing Member  
Broadcast Technical Associates, LLC