

**APPLICATION FOR A  
MINOR AMENDMENT  
TO A PENDING APPLICATION**

**File Number BPH-20020308ABI**

**FCC FORM 301**

**(ONE-STEP DOWN-GRADE)**

**Facility Identification Number 1164**

**KYZK**

**Sun Valley, Idaho**

**CHANNEL 298C0 – 107.5 MHz**

**ERP: 47.0 kW (H&V)**

**HAAT: 582.0 meters (H&V)**

**APPLICANT: Alpine Broadcasting LTD**

**May, 2002**

**Prepared by:**



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**Engineering Statement**  
**In Support of a Minor Amendment**  
**to a Pending Application**

**KYZK, Sun Valley, Idaho, Channel 298C0**

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**ENGINEERING STATEMENT**

**Lee S. Reynolds**

**And**

**Strickland**

**In Support of a Minor Amendment**

**(One-Set Down-Grade)**

**File Number BPH-20020308ABI**

**Sun Valley, Idaho**

**Channel 298C0 – 107.5 MHz**

**ERP: 47.0 kW(H&V)**

**HAAT: 582.0 m (H&V)**

**May, 2002**

**General**

As broadcast technical consultants doing business as Reynolds Technical Associates, we have been authorized by Alpine Broadcasting LTD (herein referred to as “Alpine” as well as “The Applicant”), licensee of KYZK, Sun Valley, Idaho, to conduct engineering studies and prepare the engineering portion of an application for a minor amendment of a pending application, file number BPH-20020308ABI.

This instant application is seeking a one-step down-grade at the site of the pending application.

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will meet all the required §73.207 separation requirements specified in the Commission's Rules and Regulations.

Exhibit E, Figure 2 is a terrain averaging and service contour study showing the FCC F(50/50) contours. This exhibit also shows that the 70 dBu contour encompasses the entire city of license.

The Commission's web site, <http://www.fcc.gov/fcc-bin/audio2?x=fmpower.html>, was used to determine the ERP for a Class C0 operating at 582 meters HAAT. The results was 47.0 kilowatts.

Exhibit E, Figure 3 is the service contour map displaying the FCC F(50,50) 70 and 60 dBu contours of the proposed.

The proposed site is shown on a portion of a 7.5-minute quadrangle map, as Exhibit E, Figure 4.

Exhibit E, Figure 5 is a vertical sketch of the proposed antenna supporting structure. The supporting structure is an existing tower of less than 60 meters, therefore the FAA notification is not required.

The distance to the blanketing contour is calculated to be 2.701 kilometer (1.680 mile).

There are no proposed or authorized FM or TV transmitters that may produce receiver-induced intermodulation interference within 10 kilometers of the proposed. A list of

No adverse interaction is expected to occur between any existing services and the proposed operation.

**Human Exposure**  
**(Exhibit E, Figure 7)**

radiofrequency radiation exposure at ground level in accordance with FCC guidelines for maximum permissible

The Applicant's proposed FM broadcast station is to be placed on an existing multiple-considered. Each of those facilities and the results of the assessment are listed in Exhibit E, Figure 7. The field intensity does not exceed the maximum levels for controlled or forth in OET Bulletin 65, Edition 97-01 (Table 1, Limits for Maximum Permissible Exposure).

engineering personnel. The area surrounding the site is rural, and has no permanent population. Only authorized person are allowed to enter the site, which is over 3

An agreement is in effect, that if anyone is required to climb the tower, all facilities on the tower will reduce power or cease operation, so as to prevent hazardous exposure to

**Environmental Impact**  
**(No Exhibits)**

A grant of the proposed construction would not constitute a major action as defined in the Commission's Rules and Regulations.

During operation, the facility will produce no chemical or significant thermal pollution, and no ionizing radiation will be generated. Areas of high intensity radiofrequency fields will be confined to the immediate area of the transmitting antenna, far above the ground and away from any human and wildlife population.

The area is not officially designated as a wilderness area or wildlife preserve and is not pending consideration. The area has no significant value in American history, architecture, archaeology, or culture, which is listed in the Register of Historic Places, and it is not eligible for listing. It is not recognized either nationally or locally for special scenic or recreational value.

## **Conclusion**

This statement/application has been prepared for The Applicant by utilizing the latest available information, cross-checked with the Federal Communications Commission and other sources. Therefore, it is submitted that the proposed is in compliance with the Commission's Rules and Regulations and other sources. Therefore, it is submitted that the engineering data compiled and demonstrated herein for the proposed is in compliance with Commission's Rules and Regulations at the time of this application's filing date. We welcome the opportunity to discuss with the staff of the Federal Communications Commission the engineering data contained in this application. Should any questions arise concerning the information, please contact us.

The following pages are exhibits prepared and assembled in support of the proposed.

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**Statement of the Consultants**

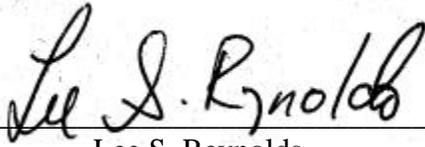
The instant engineering statement (amendment to a pending application) was prepared for Alpine Broadcasting LTD (“The Applicant”) and supports an application for a construction permit of KYZK, Sun Valley, Idaho. It was developed by Lee S. Reynolds and Virgle Leon Strickland of Reynolds Technical Associates and may not be used for purposes other than submission to the Commission by The Applicant.

It may not be reproduced in its entirety, or in part, by anyone (other than from the Commission) without the written consent of Strickland and/or Reynolds.

It is prepared for The Applicant under contractual agreement, and its certification by Strickland/Reynolds is used accordingly. If The Applicant fails in its contractual obligation, Strickland/Reynolds reserve the right to withdraw its certification.

The information in this application is compiled from the most recent Commission and outside data. Strickland/Reynolds are not responsible for errors resulting from incorrect data or unpublished rule and procedure changes.

For Strickland and Reynolds:

  
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Lee S. Reynolds

May 30<sup>th</sup> , 2002

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