

EXHIBIT #1
ENGINEERING STATEMENT

Texas Public Radio
New Station Application
Alpine, Texas
October 2007

CH 219 A

1.0 kW H & 1.0 kW V

This engineering statement supports application filed by Texas Public Radio for a new noncommercial educational FM station to serve Alpine, Texas.

A total of 8 evenly spaced radials were used to determine the antenna height above average terrain. The USGS 3 arc-second terrain elevation database was employed to determine the elevations along the radials that were averaged using the required four-point interpolation method. The resulting averaged radial antenna heights were employed using the Commission's own TVFMINT algorithm to project the distances to signal contours.

Exhibit # 14 is a 60 dBu coverage map that shows that the proposed facility meets the community coverage requirements of Section 73.515. A tabular listing of the distance to the 60 dBu contour can be found on page #2 of this exhibit.

Exhibit #16 is an Allocation Report showing that there is no prohibited contour overlap with any existing license, construction permit or application.

Exhibit #17 International Borders: This exhibit refers the reader to exhibit #16, allocation study. There are several relationships with Mexican Stations. The minimum treaty spacings for the class of stations and the channel-relationships are all met. Page #1 of exhibit #16 details these distances.

Exhibit #19: There is no channel-six TV station within the cutoff distance prescribed under section 73.525 of the Commission's Rules.

Exhibit #22 is an EPA and R.F. emissions compliance statement, showing that workers and the general public are protected from excess radio frequency emissions.

The proposed station is within 320 km of the U.S. border with Mexico. It is not within the specific critical distances to AM broadcast towers, FCC monitoring stations, Table

Declaration:

I, Douglas L. Vernier, declare that I have received training as an engineer from the University of Michigan School of Engineering. That, I have received degrees from the University in the field of Broadcast Telecommunications. That, I have been active in broadcast consulting for over 30 years;

That, I have held a Federal Communications Commission First Class Radiotelephone License continually since 1964. In 1985, this license was reissued by the Commission as a lifetime General Radiotelephone license no. PG-16-16464;

That, I am certified as a Professional Broadcast Engineer (#50258) by the Society of Broadcast Engineers, Indianapolis, Indiana. (Re-certified 1/2006.)

That, my qualifications are a matter of record with the Federal Communications Commission;

That, I have been retained by Texas Public Radio to prepare the engineering showings appended hereto:

That, I have prepared these broadcast engineering showings, the technical information contained in same and the facts stated within are true of my knowledge;

That, under penalty of perjury, I declare that the foregoing is correct.

A handwritten signature in blue ink, appearing to read "Doug Vernier", with a large, stylized initial "D" and a horizontal line extending to the right.

Douglas L. Vernier

Executed on October 7, 2007

Mountain and the West Virginia Quiet Zone. The applicant is aware of its responsibility under the rules to correct any blanketing interference that it may cause within the period of one year from commencement of transmissions of newly authorized facilities.

The applicant proposes 100% new NCE 1st service. A map of this service is shown in exhibit #14. The area within the 60 dBu shown on the map was determined through numeric integration. The population within the 60 dBu contour was determined using the US 2000 census SF1 files at block centroid level.

Page #3 of Exhibit #1 is a statement of the qualifications of the preparer.

Doug Vernier