

Exhibit 13  
Engineering Statement in support of  
FCC FORM 340  
APPLICATION FOR CONSTRUCTION PERMIT FOR RESERVED CHANNEL  
NONCOMMERCIAL EDUCATIONAL BROADCAST STATION  
(For a minor modification to a construction permit)  
KRVM-FM 220C2, Facility ID 59340  
BPED - 20070122AAE

**Introduction:**

This is an application by Lane County School District No. 4J (the Applicant) for minor changes to construction permit BPED – 20070122AAE. This filing corrects height and location inconsistencies in application BMPED 20070717AAS.

The applicant seeks to move the station to a new location approximately 80 meters southeast of the licensed facility.

The applicant proposes the following changes:

- Move the antenna to 44° 00' 07" North, 123° 06' 47" West (NAD-27). Section VII, Tech Box Item 3.
- Change the Antenna Structure Registration Number to 1205503. Section VII, Tech Box Item 5.
- Increase the height of the antenna radiation center to 475 meters AMSL (79 meters AGL, 276 meters HAAT). Section VII, Tech Box Items 6, 7, 8 and 9.
- Decrease ERP from 22.5kW to 15.0kW. Section VII, Tech Box Item 10.

An FAA Determination of no Hazard (ASN 2008-ANM-3205-OE) has been received from the FAA. The tower is registered as FCC#1205503. This registration has been amended by the tower owner to reflect the new tower height and corrected coordinates as described in the FAA Determination.

The proposed changes are minor since there is no change in frequency and the location change is de minimis.

This application was prepared using FCC 30-arc-second terrain data.

Joseph M. DiPietro, P.E.  
RFEngineers, Inc.  
December 04<sup>th</sup>, 2008

## Section VII Engineering Data:

### Tech Box Data:

1. Channel 220
2. Class C2
3. 44° 00' 07" N  
123° 06' 47" W
4. Not Applicable
5. 1205503 FAA determination received.
6. 85 meters AGL
7. 475 meters (H) 475 meters (V) AMSL
8. 79meters (H) 79 meters (V) AGL
9. 276 meters (H) 276 meters (V) HAAT
10. 15.0 kW (H) 6.4 kW (V)
11. Not Applicable
12. Not Applicable (Nondirectional)
13. Yes.
14. Yes. See Exhibit 14.
15. Yes.
  - a) Checked. See Exhibit 16.
  - b) Checked.
  - c) Not Checked.
  - d) Not Checked. No 73.207 short spacing.
  - e) Not Checked. Not within minimum range of any full-service TV-6 facility.
16. Not Applicable
17. Yes.
18. NEPA, Yes.
  - a) Operation of this facility will not have a significant environmental impact. To the best knowledge of the Applicant:
    1. The existing structure is not located in an officially designated wilderness area or wildlife preserve, nor does it threaten the existence or habitat of endangered species.
    2. The proposed changes will not affect districts, sites, buildings, structures or objects significant in American history, architecture, engineering or culture that are listed in the National Register of Historic Places, or eligible for listing.
    3. The site is not located in a flood plain. Nothing is proposed that would require significant changes in surface features such as wetland fill, deforestation or water diversion.
    4. The structure is currently marked in accordance with FAA requirements.
  - b) The Applicant will cooperate with all site users, managers and owners with regard to the cessation of operation or the reduction of operating power, whenever it is necessary to comply with the FCC Regulations and Guidelines on Human Exposure to Non-Ionizing RF Radiation.
  - c) The modeled contribution to the RF environment, 2-meters above the ground, by the proposed facility is less than 3.0uW/cm<sup>2</sup>, or 1.5%, of the maximum permitted value for general public exposure. This result was obtained using the FCC's FMModel program. Model settings were 15.0kW-vertical, 6.4kW-horizontal, 79-m high, Shively 6810 antenna, 0.5 wavelength spacing, 4-bays. An RFR study was conducted for this facility in December of 2005. See Exhibit 22. This study concluded that the facility did not exceed FCC guidelines. Referring to the site map on page 6 of the 2005 study, the existing radio station is moving from the tower marked "KRVM-FM Tower" to the tower marked "Colby Tower Empty." Currently there are no transmitters on the "Colby" tower. The move will result in a decrease in ERP and an increase in antenna height. Based on this information the proposed facility is in compliance with 47 C.R.R. Section 1.1306 with regards to radio-frequency electromagnetic exposure.
19. Not Applicable.