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**Engineering Statement**  
in support of a  
**“Replacement Digital Translator” Application**  
Associated With KOHD-DT Channel 51, Bend, OR  
**Three Sisters Broadcasting, LLC**

**BACKGROUND**

The applicant, Three Sisters Broadcasting, LLC requests a Replacement Digital Translator (RDT) on channel 26 to fill-in coverage areas to the south and southeast of the Bend, OR area where mountains block the DTV signal. Applicant is planning to locate the RDT on Spring River Butte which is west of Sunriver, OR. This will supply DTV signals to the Sunriver and La Pine, OR areas that are blocked to the current KOHD-DT, channel 51 DTV signal.

**PROPOSED RULES COMPLIANCE**

Attached is a map, Exhibit page 2, showing the FCC noise limited contour of KOHD-DT in red as it currently exists. The proposed Digital Replacement Translator FCC 51 dBu contour is shown in blue. Both contours were calculated using the “Longley-Rice Terrain Dependent Algorithm” in accordance with OET Bulletin 69. Note that the protected contour is completely enclosed within the KOHD-DT contour.

**CONCLUSION**

The requested digital translator complies with the special requirement with regard to location and signal reach contained in the NPRM.

**ENGINEER’S STATEMENT**

This application is based on parameters supplied by the engineering staff of KOHD, the FCC CDBS database and the digitized 3 second terrain database. The statements herein are true and correct to the best of my knowledge and belief.

Respectfully submitted,

*Gordon H. Allison*

Gordon H. Allison, Jr.  
Engineering Consultant  
23 April 2013