

Engineering Statement

The following engineering statement and attached exhibits have been prepared for Oregon Trail Broadcasting, licensee of television translator station K51HF at Driggs, Idaho, and are in support of their application for construction permit.

This application is being filed to correct erroneous data discovered in the Commission's database. This erroneous data was discovered during a recent study of the population served by each of the translators licensed to Oregon Trail. Specifically, the item in error is the orientation of the directional antenna utilized by K51HF.

The Commission's database specifies that the facility utilizes a Scala CL-1469 directional antenna with 0 degrees of rotation. The actual orientation of the directional antenna is 245 degrees true. All other data pertinent to the K51HF license is valid and correct.

Further investigation of this anomaly indicated that the error occurred at the time of the initial filing of the construction permit application. The technician that prepared the construction permit application (BPTT-20020625AAJ) correctly indicated that the antenna type was "off-the-shelf", however, the rotation information was incorrectly specified. A printout of the application contained in

the CDBS indicates that the "no rotation" box was specifically checked in the tech-box portion of the application. As a result, the off-the-shelf pattern for the antenna, which from the manufacturer is oriented with the main lobe at 0 degrees true, was utilized.

It should be noted that in the exhibits contained in the construction permit application, reference was made to the orientation of the antenna being 245 degrees true. In addition, the environmental statement confirmed the orientation of the antenna inferred in the interference study. The Staff did, however, act properly as the data in the exhibits conflicted with the data in the tech-box portion of the form, and as clearly indicated on the appropriate form, the tech-box data takes precedence as conflicting data elsewhere is ignored.

Following this statement is a map which compares the predicted 74 dBu service contour of the licensed facility to the 74 dBu service contour of the proposed/actual facility. From this map it can also be inferred that the originally specified antenna orientation of 0 degrees true was clearly incorrect. The licensed 74 dBu service contour, which is denoted by the color red, is clearly oriented away from Driggs, Idaho, which is the community of license. Since there is overlap between the two contours, the change in orientation of the antenna would be consistent with current Commission policy and/or procedures concerning modification applications.

Due to the rural nature of the facility and the low population/station density in the region, the change in the orientation of the antenna is not predicted to cause interference to other proposed or existing facilities in the vicinity. The second portion of Exhibit E-8 contains a study based on the Longley-Rice propagation model demonstrating this fact.

An updated Exhibit E-9 detailing the environmental impact of the facility has been omitted as such a statement would be moot. There are no actual physical changes proposed to the facility. As a result, the original statement submitted with the construction permit application was inspected and found to be correct and accurate as it stands.

K51HF.LIC
BLTT20051011ACA
Latitude: 43-47-18 N
Longitude: 110-56-02 W
ERP: 1.00 kW
Channel: 51Z
Frequency: 695.0 MHz
AMSL Height: 2995.0 m
Elevation: 2840.69 m
Horiz. Pattern: Directional
Vert. Pattern: Yes
Elec Tilt: 0.0
Prop Model: FCC Method

K51HF.PRO
BLTT20051011ACA
Latitude: 43-47-18 N
Longitude: 110-56-02 W
ERP: 1.00 kW
Channel: 51Z
Frequency: 695.0 MHz
AMSL Height: 2995.0 m
Elevation: 2840.69 m
Horiz. Pattern: Directional
Vert. Pattern: Yes
Elec Tilt: 0.0
Prop Model: FCC Method

D.L. Markley & Associates, Inc.

■ Licensed 74 dBu Service Contour
■ Actual/Proposed 74 dBu Service Contour

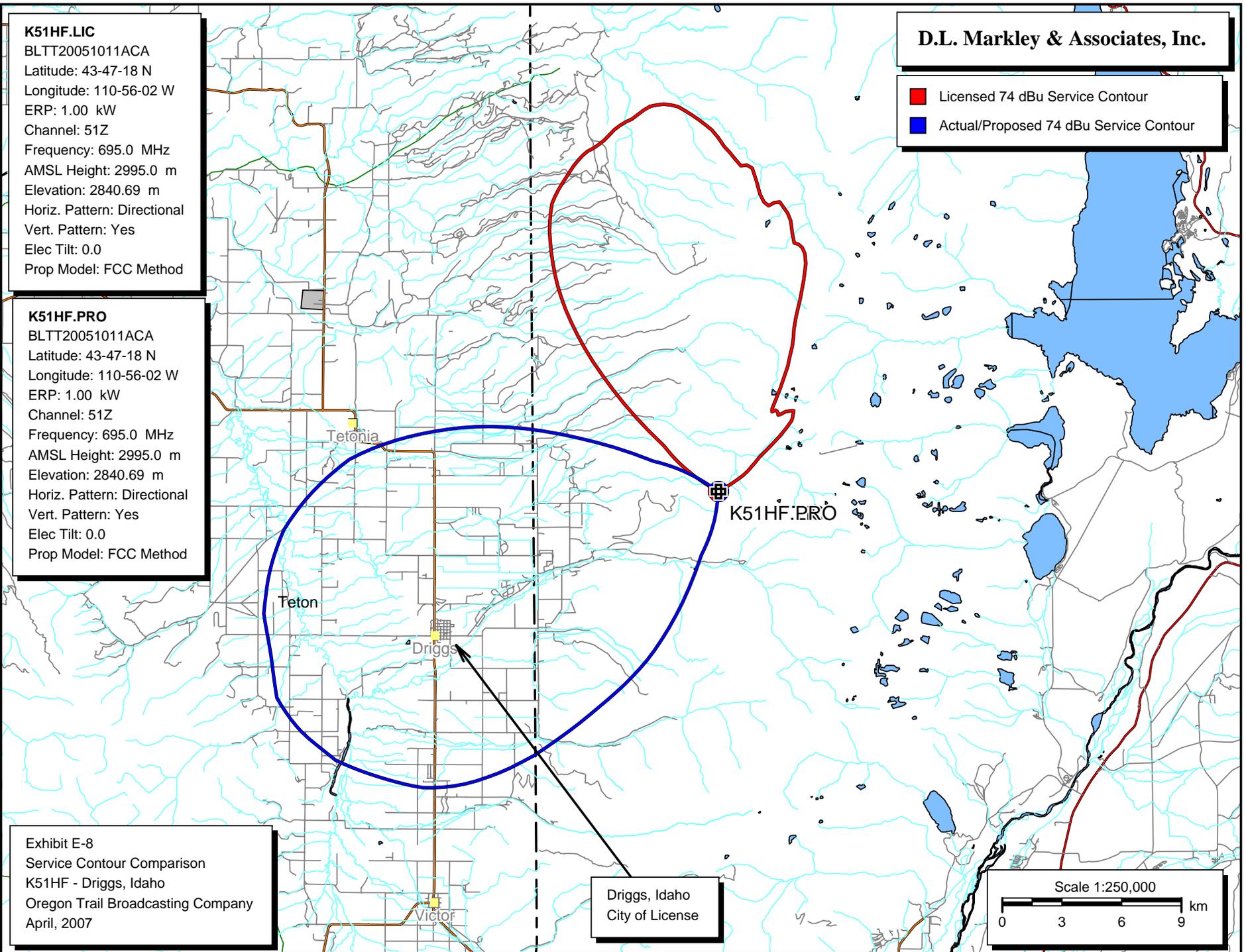


Exhibit E-8
Service Contour Comparison
K51HF - Driggs, Idaho
Oregon Trail Broadcasting Company
April, 2007

Driggs, Idaho
City of License

