

**ENGINEERING STATEMENT  
KPTV-KPDX BROADCASTING CORPORATION  
MODIFICATION OF BLDTL20120208AAF  
LOW POWER DIGITAL TELEVISION STATION K18EL-D  
NEWBERG/TIGARD, OR  
CH 18, 1.5 KW-D, 352 M HAAT**

This statement supports an application by KPTV-KPDX Broadcasting Corporation licensee of K18EL-D a low-power digital television station licensed to serve NEWBERG/TIGARD, Oregon.

The applicant is proposing to make the following modifications to its current licensed facility. It is proposed to lower the center of radiation of the antenna by 19 meters from the current 40 meters authorized to 21.0 meters. Currently, the license specifies an antenna with no rotation. It is proposed to orient the antenna toward Newberg which is one of the main cities being served. The applicant is also proposing a very minor correction to the coordinates of one second or less to more accurately define the antenna location. It is also proposed to utilize a stringent mask filter in lieu of the simple mask stated in the current authorization.

The attached map shows the proposed coverage contour will shift slightly from the north to the south, but will still provide good coverage to Newberg and Tigard. An interference analysis was performed using the methodology stated in OET-69 using same software (tv\_process\_2010) utilized by the Commission for analyzing interference into current users and pending applicants and, therefore, should yield similar results.

The results of that analysis indicate the proposed facility is in compliance with 47 C.F.R. Sections 74.709, 74.793(e), 74.793(g), 74.793(h), 74.794(b) and 73.1030.



# COVERAGE CONTOUR COMPARISON LICENSED VS PROPOSED K18EL-D, NEWBERG/TIGARD, OR

