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B. W. St. Clair

COMPREHENSIVE TECHNICAL EXHIBIT

Replacement Digital Television Translator

APPLICATION FOR CONSTRUCTION PERMIT
KPIC, Facility ID 61551
Roseburg, OR
South West Oregon TV Broadcasting Corp.

Application for New Replacement Digital Translator. This application seeks authority to construct a Digital Replacement Translator (DRT) in accordance with MB Docket 08-253, FCC 09-36, a Report and Order released May 8, 2009, which established authority and guidelines for such filings. The within application is filed to enhance coverage of certain areas which have been found in practice to suffer some coverage loss as a result of the DTV transition from low band VHF channel 4 to UHF channel 19 together with a change of antenna. The proposed DRT will enhance coverage in some areas which have suffered some coverage loss due at least in part to terrain irregularities in the covered area. A map demonstrating the coverage area contour of the application with respect to the analog and digital coverage area contours of the underlying full service facility is attached to this exhibit and made a portion hereof.

Interference Study. An OET 69 Longley-Rice study has been performed for the above-captioned application. The study was performed on a Sun blade computer running the official FCC Longley-Rice program as provided by Techware, Inc and shows less than 2.0% and 0.5% interference, respectively, to authorized LPTV and Class A/Full service facilities. Accordingly, the application is in compliance with all applicable portions of §74.793.

Non-Ionizing Electromagnetic Radiation. The within proposal generates less than 5% of its OET65 limit for the facility and service; accordingly, an EA need not be prepared per §1.1307(b).

J. R. McDonald
November 17, 2010

KPIC AND KPIC-DT
Service Contour Relationship with
Proposed Replacement Translator

KPIC Analog 47.0 dBu
F50,50 contour

KPIC-DT Licensed
39.25 dBu F50,90 Contour

Replacement Translator
as proposed within for KPIC
51.0 dBu F50,90 Contour

KPIC-DT Construction Permit
39.25 dBu F50,90 Contour

