

EXHIBIT A

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of WJBK LICENSE, INC., licensee of Digital Television Station WJBK-DT, Channel 58 in Detroit, Michigan, in support of its request for Special Temporary Authority to operate post-transition on Channel 7 (its allotment channel) with its digital auxiliary facility, authorized in BXPCDT-20080310ADZ, until such time as it can finish construction of its final post-transition DTV facility (BPCDT-20080307ACO). No changes in the operating parameters of the auxiliary are proposed herein.

This STA is necessary because the digital antenna on Channel 7 will be placed in the analog antenna's aperture, and the DTV antenna cannot be mounted until the analog antenna is removed. It is anticipated that this STA will be required through the Spring of 2009, due to unfavorable weather conditions in the Detroit area.

Exhibit B is a map upon which the noise-limited contours of analog WJBK(TV) (Channel 2), present WJBK-DT (Channel 58), and the proposed WJBK-DT facility on Channel 7 are plotted. We have performed a Longley-Rice-based coverage analysis for the proposed facility and find that the interference-free service population is 5,128,820 (based on the 2000 U. S. Census). This value is 93.4% of the analog WJBK interference-free service population (5,491,803) calculated by the FCC and reported in their allotment table (dated December 21, 2004). In addition, the proposed DTV STA operation on Channel 7 will cover 87.4% of the 5,869,173 people within the interference-free service area of WJBK-DT on Channel 58. On these bases, this proposal meets the Commission's 85% coverage requirement for post-transition STA facilities.

Finally, we have conducted a Longley-Rice interference study (based on the methodology contained in the FCC's *OET Bulletin 69*). The results of that study are provided in Exhibit C. It concludes that the proposed temporary post-transition operation of the WJBK-DT auxiliary facility will not cause more than 0.5 percent interference to any post-transition digital television facility or Class A low power television station.

I declare under penalty of perjury that the foregoing statements are true and correct to the best of my knowledge and belief.

A handwritten signature in red ink, appearing to read 'K.T. Fisher', is written over the text of the declaration.

KEVIN T. FISHER

September 12, 2008

**SMITH and FISHER**

- PRESENT ANALOG GRADE B CONTOUR (CH. 2)
- PRESENT DIGITAL NOISE-LIMITED CONTOUR (CH. 58)
- PROPOSED DIGITAL STA NOISE-LIMITED CONTOUR (CH. 7)



**EXHIBIT B  
CONTOUR COMPARISON  
PROPOSED WJBK-DT STA  
CH. 7 - DETROIT, MICHIGAN**

Scale 1:1,200,000  
0 10 20 30 km

INTERFERENCE STUDY  
PROPOSED WJBK-DT STA  
CHANNEL 7 – DETROIT, MICHIGAN

The instant application specifies an ERP of 15.0 kw (directional) at 242 meters above average terrain, which we have determined to be allowable under the FCC's recently approved interference standards with respect to various post-transition digital television facilities as they will exist on or before February 17, 2009, the date by which all stations must operate with the parameters recently adopted in the Commission's DTV Table of Allotments.

In evaluating the interference effect of this proposal, we have relied upon the V-Soft Communications "Probe III" computer program, which has been found generally to mimic the FCC's program. In conducting our studies, we employed a cell size of 2.0 kilometers and an increment spacing of 1.0 kilometer along each radial. In addition, we utilized the 2000 U.S. Census. Changes in interference caused by proposed the WJBK-DT STA facility to other pertinent stations are tabulated in Exhibit C-2.

As shown, the proposed WJBK-DT facility would not contribute more than 0.5% interference (beyond that which is caused by the allotted WJBK-DT facility) to the service population of any potentially affected post-transition DTV station.

A Longley-Rice interference study also reveals that the proposed WJBK-DT facility does not cause significant (0.5%) interference within the protected service contour of any potentially affected Class A low power television station.

Therefore, this proposal meets the FCC's *de minimis* interference standards for DTV operations.

EXHIBIT C-2

## INTERFERENCE STUDY SUMMARY

PROPOSED WJBK-DT STA  
CHANNEL 7 – DETROIT, MICHIGAN

<u>Call Sign</u>	<u>City, State</u>	<u>CH.</u>	<u>Coverage Population</u>	<u>Interference Population From WJBK-DT*</u>	<u>%</u>
WOOD-DT BLCDT-20040625ABO	Grand Rapids, MI	7	2,408,521	0	0
WPBN-DT BPCDT-20080321ACW	Traverse City, MI	7	476,286	0	0
WTRF-DT BPCDT-20080620ALK	Wheeling, WV	7	2,588,562	702	<0.1
WTRF-DT (CP) BMPCDT-20080317AGD	Wheeling, WV	7	2,274,898	7	<0.1

\*Above that caused by the allotment facility.

Note: This study utilized a cell size of 2.0 km and an increment spacing of 1.0 km.