

**ENGINEERING STATEMENT ON BEHALF OF  
HERITAGE BROADCASTING COMPANY OF MICHIGAN  
WWTV-DT, CADILLAC, MICHIGAN  
CHANNEL 9, ERP 30 KW, HAAT 497 METERS**

This Engineering Statement, prepared on behalf of Heritage Broadcasting Company of Michigan, licensee of WWTV-DT, Cadillac, Michigan, is in support of an application for construction permit maximizing the post-transition operation of WWTV-DT. The current authorization for digital operation of WWTV-DT is on channel 9 with 20.1 kW average effective power and height above average terrain of 497 meters. The maximized operation will involve increasing average effective power to 30 kW, with no changes in antenna or arrangement of antenna on the tower.

Studies conducted using the tv\_process FCC computer program indicate that no interference would be caused to any other station in excess of that allowable under the adopted interference standards proposed in the *Third DTV Periodic Review NPRM*. The only station requiring special consideration is WAOW, Wausau, Wisconsin. At that location, interference is increased by a factor of 0.26 percent, well within the allowed 0.5 percent.

