

**ENGINEERING STATEMENT ON BEHALF OF
HERITAGE BROADCASTING COMPANY OF MICHIGAN
WWUP-DT, SAULT STE. MARIE, MICHIGAN
CHANNEL 10, ERP 25 KW, HAAT 370 METERS**

This Engineering Statement, prepared on behalf of Heritage Broadcasting Company of Michigan, licensee of WWUP-DT, Sault Ste. Marie, Michigan, is in support of an application for construction permit increasing average effective radiated power of the post-transition operation of WWUP-DT to 25 kW. The current authorization for digital operation of WWUP-DT is on channel 10 with 16.3 kW average effective radiated power and height above average terrain of 370 meters. No changes in antenna or arrangement of antenna on the tower are involved.

Studies conducted using the tv_process FCC computer program using a cell size of one kilometer on a side 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 WBUP, Ishpeming, Michigan. At that location, interference is increased by a factor of 0.3 percent, well within the allowed 0.5 percent.

