

Duluth-Superior Area Educational Television Corporation
WDSE-DT
632 Niagara Court
Duluth, MN 55811

Application for Minor Modification of Construction Permit
Digital Television Station WDSE-DT
Duluth, Minnesota
Proposed Channel 38 650 KW (OMNI) 278 M
46 ° 47' 30" N 092 ° 7' 21" W

June 21, 2006

By: Rex Greenwell, Director of Engineering

Engineering Statement

Power Modification Request

The Duluth-Superior Area Educational Television Corporation currently holds a Construction Permit for non-commercial, educational, digital television station **WDSE-DT**, file number **BMPEDT-20000501AIO**. WDSE-DT is the paired digital station of analog station **WDSE-TV Duluth, Minnesota**. WDSE-DT is presently operating under a Special Temporary Authority (STA) grant at 600KW. The purpose of this application is to request a reduction of the station's authorized Effective Radiated Power to 650KW. The presently authorized power is 1000KW. No changes from the present construction permit other than a reduction in operating power are proposed.

80% Rule Compliance for Continued Protection of Coverage

At the end of the digital transition Duluth-Superior ETV has requested to return to the original analog assignment of channel 8. The proposed interim operation of digital WDSE-DT on channel 38 at the operating power of 650KW results in coverage that significantly exceeds 80% of the year 1997 analog coverage. The 1997 analog WDSE-TV channel 8 FCC 50/50 coverage included a population count of 285,000. It is predicted that the proposed WDSE-DT facility at 650KW, using FCC 50/90, will include a population count of 245,000. The proposed WDSE-DT interim channel 38 facility requested herein will cover 86% of the 1997 analog coverage. Therefore, the proposed digital facility will meet the 80% Rule for continued protection of the 1997 service area.

48 dbuv/m Coverage of City of License

WDSE-DT is licensed to the City of Duluth. The WDSE-DT antenna tower is located in the Duluth Antenna Farm which is within the city limits. The proposed facility will provide Duluth with coverage significantly exceeding 48 dbuv/m.