

APPLICATION FOR STATION LICENSE
SHADOWLAWN ASSOCIATES, INC.
WSRX (FM) RADIO STATION
CH 208C1 - 89.5 MHZ - 100.0 KW (DA)
NAPLES, FLORIDA
March 2007

EXHIBIT E

Radio Frequency Assessment

A study has been made to determine whether this proposal is in compliance with 47 C.F.R. §1.1307 of the Commission's rules and with OET Bulletin #65, dated August 1997 ("Bulletin"), regarding human exposure to radio frequency radiation in the vicinity of broadcast towers. This study considers all nearby contributing stations and utilizes the appropriate formulas contained in the OET Bulletin.¹

The WSRX antenna four bay full wave antenna system is mounted with its center of radiation 91.46 meters (300.0 feet) above the ground at the tower location and will operate with an effective radiated power of 100.0 kilowatts in the horizontal and vertical planes (circularly polarized). The WSRX antenna is a Jampro Antennas, Inc., JHPC, double V style system (FCC/EPA Type #2). At 2.0 meters, the height of an average person above the ground at the base of the tower, the WSRX antenna system will contribute 0.1111 mw/cm².² Based on exposure limitations for a controlled environment, 11.1% of the allowable ANSI limit is reached at 2.0 meters above the ground at the base of the tower. For uncontrolled environments, 55.6% of the ANSI limit is reached at 2.0 meters above the ground at the base of the tower.

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- 1) The contribution of the FM station was calculated with the FMModel program. The EPA dipole antenna was used for calculations unless otherwise noted.
 - 2) This level of contribution occurs at 35.0 meters out from the tower and is considered worst case.

Since this level for uncontrolled environments is below the 100% limit defined by the Commission, the WSRX facility is believed to be in compliance with the radio frequency radiation exposure limits as required by the Federal Communications Commission. Further, SAI has posted warning signs in the vicinity of the tower warning of potential radio frequency radiation hazards at the site. In addition, SAI will reduce the power of the facility or cease operation, in cooperation and coordination with other tower users, as necessary, to protect persons having access to the site, tower or antenna from radio frequency radiation in excess of FCC guidelines.