

CSN International  
December 2005  
**RF COMPLIANCE**

**Sheridan KWCF  
BPED-19980529MB**

KWCF will operate on FM Channel 207C3 with a maximum effected radiated power of 1 kW Horizontal and Vertical, using a single bay PSI Directional Antenna system, with a radiation center @ 18 meters AGL.

Appendix C of OST Bulletin No. 65 (second edition) specifies the maximum radiation in the 30 MHz to 300 MHz region should be limited to 1000  $\mu\text{W}/\text{cm}^2$  for occupational/controlled exposure and 200 $\mu\text{W}/\text{cm}^2$  for general population/uncontrolled exposure. The instant application was evaluated with a modified version of the Commission's own FMMODEL program, acquired from the FCC Office of Engineering and Technology Internet site. The pattern data was taken from the same FMMODEL program using a like model Scala Yagi antenna type.

	Emissions	Percent Occupational	Percent General
KWCF	71.79 $\mu\text{W}/\text{cm}^2$ @ 16m	7.18 %	35.89 %

This site has limited access to the general public. There is a locked gate that allows access to the tower site. RF Hazard Warning signs will be placed at appropriate intervals on the tower, as well as on the gate, prior to program testing. Unless personnel are actually climbing the tower, the radiation level is safe for occupational workers when the station is operating at full power. All appropriate steps to insure that workers, who climb this tower will not be exposed to levels of non ionizing radiation, will be taken. These steps include a reduction in power or cessation of operation, as appropriate, when work becomes necessary on the tower in the area where the power density levels are in excess of the permitted level for controlled exposure.