

CSN International
November 2005
RF COMPLIANCE

**Lockwood, MT KYWH
Minor Change**

KWYH will operate on FM Channel 205A with a maximum effected radiated power of 1.9 kW Vertical, using a side by side, Scala YA7, .67 waved spaced transmit antenna system, a radiation center @ 18 meters AGL. There are no other RF sources located on this tower or on ASR # 1232901.

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
KWYH	12.3 $\mu\text{W}/\text{cm}^2$ @ 43m	1.23 %	.65 %

This site is RF compliant. 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.