

## **TECHNICAL CERTIFICATIONS**

### **SPECIAL OPERATING CONDITIONS**

The permittee/licensee in coordination with other users of the site agrees to reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

### **TRANSMITTER POWER OUTPUT CALCULATION**

The SWR Model FMEH four bay 0.75 wave length horizontally polarized antenna has a power gain of 3.69.

The 82 ft. of RFS LCF78-50JA 7/8 inch foam coax has a loss of 0.278 DB for a line efficiency of 93.81 percent.

$2.0 \text{ KW} \div 3.69 \div 0.9381 = 0.578 \text{ kW TPO.}$