

## **K255DE Pierre, SD Technical Certifications**

### **Transmitter Power Output:**

The Nicom BKG77 two bay full wave antenna has a power gain of 0.99.

The 325 ft. of RFS LCF12-50JFN Cellflex ½ inch foam coax has a loss of 2.146 db for a line efficiency of 61.01 percent.

250 watts divided by 0.99 divided by 0.6101 = 413.9 watts TPO.

### **Special Operating Conditions:**

1. The licensee/permittee acknowledges and accepts the permanent AM primary station restriction.
3. 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.