

## **EXHIBIT #7**

### **TRANSMITTER POWER OUTPUT**

**Hutchinson Community College**  
License to Cover Construction Permit  
KHCC-FM  
BPED-20050726ALL  
Hutchinson, Kansas

March 2008

CH 211C0

100 kW H + V

Transmission line efficiency = 73.8% - 375.8 meters of Andrew HJ11-50 (4") line.

Power Gain of Antenna = 6.878 – ERI SHPX-12AC, full-wave spaced

ERP = 100 kW H & V

$TPO = ERP / (\text{efficiency} * \text{gain})$

$TPO = 100 / (0.738 * 6.878)$

TPO = 19.7 kW