

EXHIBIT #7

TRANSMITTER POWER OUTPUT

Wichita State University
License to Cover Construction Permit
KMUW
BPED-20070110ABX
Wichita, Kansas

May 2008

CH 206C1

100 kW H + V DA

Transmission line efficiency = 79.0% - 294.7 meters (967') of Andrew 4" HJ11-50 air line.

Power Gain of Antenna = 7.992 – Shively 6810-8-DA, 8 bay full wave

ERP = 100 kW H & V

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

$TPO = 100 / (0.79 * 7.992)$

TPO = 15.84 kW