

## EXHIBIT #12

### TRANSMITTER OUTPUT POWER

Northern Arizona University  
K277AR  
Cottonwood, Arizona  
License to Cover  
BNPFT-20030828ARM

CH 277D

0.01 kW V

Transmission line efficiency = 86.9% - 22 meters of Andrew 1/2" Helix HJ4-50 Air line

Power Gain of Antenna = 5.0 – Scala CL-FM

ERP = 0.01 kW H & V

TPO = ERP/(efficiency\*gain)

TPO = 0.01/(0.869\*5.0)

TPO = 0.0023 kW