

CALCULATION OF TRANSMITTER POWER OUTPUT

Concerning the calculation of transmitter power output (TPO), the 26.158 kW figure includes 25.152 kW for WIYY's herein authorized auxiliary analog operation and 1.006 kW for WIYY's -14 dBc IBOC operation. Thus, based on consideration of a transmission system efficiency of 74.3% and an antenna power gain of 0.461, an analog TPO of 25.152 kW produces the authorized analog ERP of 8.6 kW.