

CALCULATION OF TRANSMITTER POWER OUTPUT

Calculation of Transmitter Power Output (TPO): The 0.625 kW (-2.04 dBk) figure is based on consideration of total transmission system attenuation of 0.6 dB (87% efficiency). Given an antenna power gain of 0.46 (-3.37 dB), a TPO of 0.625 kW produces an ERP of 0.25 kW (-6.01 dBk).