

## WMEA-DT Transmitter Calculations

GIVEN:

ERP = 17dBK

Antenna Gain = 17.8 dB

Line Loss = .67 dB

Combiner loss = .13 dB

TPO = ERP + Line loss + Combiner loss – Ant Gain

TPO = 17 dBK + .67 dB + .13 dB – 17.8 dBK

TPO = 0 dBK = 1 kW