

Transmitter Power Output Calculation

W268CX ERP 250 watts

246' 3/8" Andrew LDF2-50 foam transmission line efficiency: .552

Kintronics Isocoupler loss 1db efficiency = .794

180' 1/2" Andrew LDF4-50A foam transmission line efficiency: .759

19' + 15' 1/2" Andrew foam jumpers efficiency: .941

Scala CA2-CP Gain: 1.26

TPO = 633.838 watts

$633.838 \times .552 \times .794 \times .759 \times .941 \times 1.26 = 249.9999$ watts

Note TPO is shown as .634kw due to rounding and resolution of the form.