

KKSE-FM Auxiliary Transmitter Power Output Calculations

TRANSMITTER POWER OUTPUT

Authorized ERP: 2.05 kW

AAT FM-P-CP-M-1 antenna gain: 1.548

198 ft AAT 1-5/8" coax efficiency: 0.922

AAT BP-IR-3-12K filter efficiency: 0.931

Coax Jumper efficiency: 0.935

TPO: 1.6500 kW

Confirmation: $1.6500 \times 0.935 \times 0.931 \times 0.922 \times 1.548 = 2.0499$