

Educational Media Foundation
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K276GG

Transmitter Power Output Calculation

The purpose of this license modification application is to specify a change in the transmitter power output calculation only.

TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: 250 WATTS

NICOM BKG77 ANTENNA GAIN: .47

100 FEET ANDREW 1/2-INCH FOAM COAX (LDF4-50A) EFFICIENCY: 0.857

6' FEET ANDREW 1/2" FOAM COAX JUMPER EFFICIENCY: .991

AAT BP-1R-3-1K BANDPASS FILTER EFFICIENCY: .787

TPO: 795.8165 WATTS

CONFIRMATION: $795.8165 \times .47 \times .857 \times .991 \times .787 = 249.9999$ WATTS

NOTE: TRANSMITTER POWER OUTPUT FIGURE SHOWN AS .796KW DUE TO ROUNDING AND RESOLUTION OF THE FORM.