

FM Translator K271DB, File # 0000099681

Transmitter Output Calculations:

AUTHORIZED ERP: 250 WATTS

ANTENNA POWER GAIN: 1.41

83 FEET ANDREW AVA5-50 7/8 FOAM COAX EFFICIENCY: 0.938

COAXIAL JUMPER EFFICIENCY: 0.977

BEXT FM COMBINER FQCSDC3 FILTER EFFICIENCY: 0.944

TPO: 204.9516 WATTS

CONFIRMATION: $204.9516 \times 0.944 \times 0.977 \times 0.938 \times 1.41 = 249.9999$
WATTS