

Transmitter Power Output Calculation

DESCRIPTION: TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: 170 WATTS

RFS CPF-500/2 ANTENNA POWER GAIN: 0.950

381.2 FEET RFS CABLEWAVE 7/8 INCH COAX EFFICIENCY: 0.742

3' 1/2" SUPERFLEX JUMPER EFFICIENCY: .993

TPO: 242.8690 WATTS

CONFIRMATION: $242.8690 \times .950 \times 0.742 \times .993 = 169.9999$ WATTS

NOTE: TPO SHOWN AS 243 WATTS DUE TO ROUNDING AND THE RESOLUTION OF THE FORM.