

## **Transmitter Power Output Calculation**

DESCRIPTION: TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: 99 WATTS

SCALA CL-FMH ANTENNA GAIN: 5.0

78 FEET RFS CABLEWAVE 1/2-INCH FOAM COAX (LCF12-50) EFFICIENCY: 0.893

TPO: 22.1724 WATTS

CONFIRMATION:  $22.1724 \times 0.47 \times 5.0 \times .893 = 98.9998$  WATTS

NOTE: TRANSMITTER POWER OUTPUT FIGURE SHOWN AS .022KW DUE TO ROUNDING AND RESOLUTION OF THE FORM.