

Educational Media Foundation
5700 West Oaks Boulevard
Rocklin, CA 95765

Sparks, NV
KYSA

Transmitter Power Output Calculation

DESCRIPTION: TRANSMITTER POWER OUTPUT

AUTHORIZED ERP: 2.95 KILOWATTS

2 BAY ERI SHPX-2AE ANTENNA GAIN: 0.997

30 FEET RFS 7/8-INCH FOAM COAX (LDF5-50A) EFFICIENCY: 0.977

TPO: 3028.5329 WATTS

CONFIRMATION: $3028.5329 \times 0.997 \times 0.977 = 2950.0000$ WATTS

NOTE: TPO IS SHOWN AS 3.029 KILOWATTS DUE TO ROUNDING AND RESOLUTION OF THE FORM