

TRANSMITTER POWER OUTPUT CALCULATION
WOLF Radio, Inc.
July, 2023

Transmitter Power Output:	0.54 kW
Transmission Line Loss (182 ft. – LDF4-50A):	1.24 dB
Jumper Line Loss: (6 ft. FJS4-50B):	0.06 dB
Isocoupler Loss (Kintronic Labs FMC-1.5):	0.20 dB
Total Loss:	1.50 dB = 70.8%
Antenna Gain (Nicom BKG88):	0.5

$$\text{ERP} = 0.54 \text{ kW} \times .708 \times 0.5 = .19 \text{ kW}$$