

KJCG TPO Calculation
 May 18, 2010

Transmitter Output:	616.38 Watts
Bandpass filter -.46 dB	-61.948 Watts
Jumper -.05 dB	-6.3466 Watts
Transmission Line:	Andrew LDF5-50A, 7/8 Inch
Length Of Line:	115 Feet
Loss in dB/100 Ft. At 88.3 MHz:	.347 dB
Line Efficiency At 88.3 MHz:	91.23%
Max. Average Power Rating of Line:	5.72 KW
Power Dissipated In Line:	48.09 Watts
Power At Input To Antenna:	500 Watts
Antenna Make/Model:	NICOM BKG1/P-2
Number of Bays:	Two
Max. Antenna Input Power Rating:	2 KW
Antenna Power Gain:	2
System E. R. P.:	1 KW