

**GREG BEST
CONSULTING, INC.**

16100 Outlook Avenue
Stilwell, KS 60085
816-792-2913

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KWJC AUX ERP CALCULATION

TPO = 1100 Watts

T-line 200 ft, 7/8" 50 ohm Heliax, Eff = 85.9 %

Antenna Input Power = 945 W

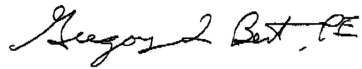
TFC2K Antenna Gain = 0.457 (-3.40 dB) HPOL

TFC2K Antenna Gain = 0.457 (-3.40 dB) VPOL

ERP HPOL = $1100 \times 0.457 \times 0.859 = 432 \text{ W}$

ERP VPOL = $1100 \times 0.457 \times 0.859 = 432 \text{ W}$

Sincerely,



Consulting Engineer