

ERP / TPO calculations for:

KWCF - Sheridan, WY

Entered by: Ray Gorney Jr.

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Calculations:

Final

Qty/Lgth (or disc)

db@ (or spacing)

dBd

Watts

ERP:Ant. Gain¹

FSJ type Ant jumper

LDF type Ant. Jumper

LDF4

Connectors

Polyphaser Loss

FSJ Tx jumper

other FSJ jumper(s)³

HJ50

Filter(s)⁴Combiner⁴

Isolator

TPO:

		30.0000	1000
PSI FML-1B-DA		1.02	ERP
0	0.0098	0.0000	
0	0.0064	0.0000	
0	0.0064	0.0000	
0	0.0150	0.0000	
0	0.1500	0.0000	
0	0.0098	0.0000	
0	0.0098	0.0000	
70	0.0035	0.2450	
(Model #)	0	0.0000	
SP15499	0	0.0000	
T-1030	0	0.0000	TPO
		31.2650	1338

Enter desired ERP in Blue Box and other variables in the Gray boxes; ¹ Enter antenna gain as a negative number² Enter either distance between bays or from tower; ³ Enter Total lengths; ⁴ Enter Total loss**TPO determined via the direct method using the Translator Power Meter**