

ERP / TPO calculations for:

K278AR - Potlatch, ID

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
 Other
 Filter(s)⁴
 Combiner⁴
 Isolator
 TPO:

		22.7875
Telewave ANT 90		0
0	0.0098	0.0000
0	0.0064	0.0000
120	0.0064	0.7680
4	0.0150	0.0600
1	0.1500	0.1500
10	0.0098	0.0980
0	0.0098	0.0000
0	0	0.0000
(Model #)	0	0.0000
SP15499	0	0.0000
T-1030	0	0.0000
		23.8635

190
ERP

TPO
243

Enter desired ERP in Blue Box and other variables in the Gray boxes; ¹ Enter antenna gain as a negative number

² 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