

ERP / TPO calculations for: KZJB - Pocatello, ID

Entered by: Ray Gorney Jr.	Date:	Calculations:	Final	Watts
	Qty/Lgth (or disc)	db@ (or spacing)	dBd	
ERP:			29.5904	910
Ant. Gain ¹	Jampro JMVP-1		0.37	ERP
FSJ type Ant jumper	0	0.0098	0.0000	
LDF type Ant. Jumper	0	0.0064	0.0000	
HJ5-50	240	0.0035	0.8400	
Connectors	4	0.0150	0.0600	
Polyphaser Loss	0	0.1500	0.0000	
FSJ Tx jumper	0	0.0098	0.0000	
other FSJ jumper(s) ³	0	0.0098	0.0000	
Other	0	0	0.0000	
Filter(s) ⁴	Shively 2606-3A	0.5	0.5000	
Combiner ⁴	SP15499	0	0.0000	
Isolator	T-1030	0	0.0000	TPO
TPO:			31.3604	1368

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

328.084 ft / 100 meters