

ERP / TPO calculations for: K213CQ, Salt Lake City, UT

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Calculations: Predicted or Final

	Qty/Lgth (or disc)	db@ (or spacing)	dBd	Watts
ERP:			10.4139	11 ERP
Ant. Gain ¹	FMEC		3.37	
FSJ type Ant jumper	0	0.0098	0.0000	
LDF type Ant. Jumper	10	0.0064	0.0640	
LDF4	122	0.0064	0.7808	
Connectors	8	0.0150	0.1200	
Polyphaser Loss	1	0.1500	0.1500	
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	TWPC-1005-2	1	1.0000	
Combiner ⁴		0	0.0000	
Isolator	T-1030	0	0.0000	TPO 39
TPO:			15.8987	

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