

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

Entered by: Ray Gorney Jr.

Date: 10/21/2004

Calculations: Predicted or Final

Qty/Lgth (or disc)

db@ (or spacing)

dBd

Watts

## ERP:

Ant. Gain<sup>1</sup>

FSJ type Ant jumper

LDF type Ant. Jumper

LDF4

Connectors

Polyphaser Loss

FSJ Tx jumper

other FSJ jumper(s)<sup>3</sup>

Other

Filter(s)<sup>4</sup>

Combiner<sup>4</sup>

Isolator

## TPO:

		10.4139	11 ERP
FMEC		3.37	
0	0.0098	0.0000	
10	0.0064	0.0640	
122	0.0064	0.7808	
8	0.0150	0.1200	
1	0.1500	0.1500	
0	0.0098	0.0000	
0	0.0098	0.0000	
0	0	0.0000	
TWPC-1005-2	1	1.0000	
	0	0.0000	
T-1030	0	0.0000	TPO 39
		15.8987	

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

<sup>2</sup> Enter either distance between bays or from tower; <sup>3</sup> Enter Total lengths; <sup>4</sup> Enter Total loss

**TPO determined via the direct method using the Translator Power Meter**