

ERP / TPO calculations for:

K285EW - San Luis Obispo, CA

Entered by: Ray Gorney Jr.Date: 6/20/2005

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

RG214

Filter(s)⁴Combiner⁴

Isolator

TPO:

		10.0000
SWR - FMEC		3.37
0	0.0098	0.0000
0	0.0064	0.0000
120	0.0064	0.7680
8	0.0150	0.1200
1	0.1500	0.1500
0	0.0098	0.0000
0	0.0098	0.0000
12	0.02	0.2400
1005-2	1	1.0000
SP15499	0	0.0000
T-1030	0	0.0000
		15.6480

**10
ERP****TPO
37**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**

328.084 ft / 100 meters