

ERP / TPO calculations for:

K201FT - Wellsville, UT

Entered by: Ray Gorney Jr.Date: 10/5/2005

Calculations:

Final

Qty/Lgth (or disc)

db@ (or spacing)

dBd

Watts

ERP:			12.7875	19
Ant. Gain ¹	Scala CLFM		-7	ERP
FSJ type Ant jumper	5	0.0098	0.0490	
LDF type Ant. Jumper	0	0.0064	0.0000	
LDF4	60	0.0064	0.3840	
Connectors	6	0.0150	0.0900	
Polyphaser Loss	1	0.1500	0.1500	
FSJ Tx jumper	5	0.0098	0.0490	
other FSJ jumper(s) ³	0	0.0098	0.0000	
Other	0	0	0.0000	
Filter(s) ⁴	TWPC-1005-2	0.75	0.7500	
Combiner ⁴	SP15499	0	0.0000	
Isolator	T-1030	0	0.0000	TPO
TPO:			7.2595	5

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

LDF5-50A = .00364 dB Atten./ Foot @ 100MHz