

## TPO CALCULATION

Typical End Connector	0.025	
5 ft LMR400 jumper	0.064	
Typical End Connector	0.025	
Polyphasor	0.1	
Typical End Connector	0.025	
5 ft LMR400 jumper	0.064	
Typical End Connector	0.025	
Telecom FDCSDC03 star-point combiner insertion loss	0.6	
50ft LMR400	0.624	
Typical End Connector	0.025	
power divider insert loss	0.05	
Typical End Connector	0.025	
6 ft LMR400 interbay cable	0.077	
Typical End Connector	0.025	
	1.754	db loss
2-bay dipole slant	0	db gain

100 w ERP = 20 dBW

20 dbW + 1.754 db (loss) - 0 db (antenna gain) = 21.754 dBW

21.754 dBw = 149.8 W = 150 W TPO