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Change the values in the yellow boxes to calculate required readings

Receive Ant Gain	Ant Cable Insertion Loss	Repeater Amp Gain	Splitter Loss/Gain	Repeater Ant Gain	Range in Feet	EIRP @ Range In dBm	ERP
40	-26.97	30	11	3	100	-139.29	-141.44
	Total System Gain :	57.03	dB		Total Si	ignal Power @ Range 11.8E-18	in Watts
GPS	Carrier Frequency MHz:	1575	MHz		Range in Meters	Radiated Power dBn	า
			ID.		31.17	-72.97	
Avg Receive Pov	wer L1 dBm N. America :	-130	dBm		Transmitted Power (W)		
Free Space loss	with Isotropic Antennas:	-66.32	dB		25.3E-12		
TX Pwr (dBm) to anten	na = -130 dBm + 57.03	3 - 3 dB (Repea	ter Ant Gain) :	-75.97	Effective	e Isotropic Radiated Po 50.5E-12	ower (W) 30.77 pW I

	EiRP	ERP	
TX Pwr (dBm) to antenna	-75.97	-75.97	dBm
Repeater Ant Gain	3	0.85	dBi/dBd
Total Power radiated	-72.97	-75.12	dBm
FSPL (100 ft)	-66.32	-66.32	dB
EiRP/ERP @ 100 ft	-139.29	-141.44	dBm
Effective Radiated Power	-102.97	-105.12	dBW
Effective Radiated Power	50.5	30.8	pW
	EiRP	ERP	