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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	Repeater Ant Gain Best Case	Range in Feet	Repeated Signal Power @ Range In dBm
33	-11	30	3	100	-141.09
GPS Carrier Frequency MHz	Total System Gain		Range in Miles	Total Signal Power @ Range in Watts	
1575	55		0.02	7.8E-18	
Avg Receive Power L1 dBm North America	Range in Meters		Radiated Power dBm		
-130	31.17		-75		
Free Space loss with Isotropic Antennas	Range in Kilometers		Transmitted Power (W)		
-66.09	0.03		15.8E-12		
				Effective Radiated Power (W)	
				31.6E-12	
				Effective Radiated Power (dBW)	
				-105	



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