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## Change the values in the yellow boxes to calculate required readings

A Receive Ant Gain	nt 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 1575 55			Range in Miles 0.02	Total Signal Power @ Range in Watts 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 -66.09				Range in Kilometers 0.03	Transmitted Power (W) 15.8E-12
					Effective Radiated Power (W) 31.6E-12
					Effective Radiated Power (dBW) -105

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