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

Ar 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  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 -66.09	Antennas		Range in Kilometers 0.03	Transmitted Power (W) 15.8E-12
					Effective Radiated Power (W) 19.2E-12
					Effective Radiated Power (dBW) -105

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