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Change the values in the yellow boxes to calculate required readings -140 or less at a range of 100 feet to meet NTIA regulations

Receive Ant Gain	Ant Cable Insertion Loss	Repeater Amp Gain	Repeater Ant Gain Best Case	Range in Feet	Repeated Signal Power @ Range In dBm
35	-12	30	3	100	-140.09
	GPS Carrier Frequency MHz 1575			Range in Miles 0.02	Total Signal Power @ Range in Watts 9.8E-18
Avg R	Avg Receive Power L1 dBm North America -130				Radiated Power dBm -74
Free Space loss with Isotropic Antennas -66.09				Range in Kilometers 0.03	Transmitted Power (W) 20.0E-12
					Effective Radiated Power (W) 39.8E-12
					Effective Radiated Power (dBW)

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