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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	-13	30	3	100	-143.09
GPS Carrier Frequency MHz		Total System Gain		Range in Miles	Total Signal Power @ Range in Watts
1575		53		0.02	4.9E-18
Avg Receive Power L1 dBm North America			Range in Meters		Radiated Power dBm
-130			31.17		-77
Free Space loss with Isotropic Antennas			Range in Kilometers		Transmitted Power (pW)
-66.09			0.03		9.6
					Effective Radiated Power (pW)
					19.2
					Effective Isotropic Radiated Power (pW)
					31.5
					Effective Radiated Power (dBW)
					-107



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