

Receive Ant Gain	Ant Cable Insertion Loss	Repeater Amp Gain	Repeater Ant Gain Best Case	Range in Feet	Repeated Signal Power @ Range In dBm
36	-6	13	10	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