



Your source for quality GNSS Networking Solutions and Design Services, Now!

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	-10	25	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 (W)
-66.09				0.03		10.0E-12
						Effective Radiated Power (W)
						20.0E-12
						Effective Radiated Power (dBW)
						-107



Your source for quality GNSS Networking Solutions and Design Services, Now!