

GPS Source, Inc. Repeater Budget Calculator

Change the values in the yellow boxes to calculate required readings

Receive Ant Gain	Ant Cable Insertion Loss	Repeater Amp Gain	Repeater Ant Gain Best Case	Range in Feet	Repeated Signal Power @ Range In dBm
GPS Carrier Frequency MHz					Total Signal Power @ Range in Watts
Total System Gain					Range in Miles
Avg Receive Power L1 dBm North America					Range in Meters
Free Space loss with Isotropic Antennas					Range in Kilometers
					Radiated Power dBm
					Transmitted Power (W)
					Effective Radiated Power (W)
					Effective Radiated Power (dBW)