

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
Avg Receive Power L1 dBm North America			Total System Gain	Range in Miles	Radiated Power dBm
Free Space loss with Isotropic Antennas				Range in Meters	Transmitted Power (W)
				Range in Kilometers	Effective Radiated Power (W)
					Effective Radiated Power (dBW)