

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 Gai	n Ant Cable Insertion Loss	Repeater Amp Gain	Repeater Ant Gain Best Case	Range in Feet	Repeated Signal Power @ Range In dBm
38	-10	22	3	100	-143.09
	GPS Carrier Frequency MH: 1575	z	Total System Gain 53	Range in Miles 0.02	Total Signal Power @ Range in Watts 4.9E-18
Avg F	Receive Power L1 dBm North / -130	America		Range in Meters 31.17	Radiated Power dBm -77
Free Space loss with Isotropic Antennas -66.09				Range in Kilometers 0.03	Transmitted Power (W) 10.0E-12
					Effective Radiated Power (W) 20.0E-12

Effective Radiated Power (dBW) -107

