



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
35	-6	30	3	215
GPS Carrier Frequency MHz		Total System Gain		Range in Miles
1575		62		0.04
Avg Receive Power L1 dBm North America			Range in Meters	
-130			67.01	
Free Space loss with Isotropic Antennas			Range in Kilometers	
-72.74			0.07	



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Repeated Signal Power @ Range In dBm

-140.74

Total Signal Power @ Range in Watts

8.4E-18

Radiated Power dBm

-68

Transmitted Power (W)

79.4E-12

Effective Radiated Power (W)

158.5E-12

Effective Radiated Power (dBW)

-98