

Subject:

FW: File Number: 0325-EX-CN-2018

GPS Networking Link Budget Calculator

		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
38	-12	20	3	30	-136.64
	GPS Carrier Frequency MHz		Total System Gain	Range in Miles	Total Signal Power @ Range in Watts
	1575		49	0.01	21.7E-18
	Avg Receive Power L1 dBm North America			Range in Meters	Radiated Power dBm
	-130			9.35	-81
	Free Space loss with Isotropic Antennas			Range in Kilometers	Transmitted Power (W)
	-55.64			0.01	4.0E-12
					Effective Radiated Power (W)
					7.9E-12
					Effective Radiated Power (dBW)
					-111

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