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Calculations are applicable to each repeater listed in "Exhibit - transmitting equipment.pdf"

Receive Ant Gain	33	Ant Cable Insertion Loss	-12	Repeater Amp Gain	30	Repeater Ant Gain Best Case	3	Range in Feet	100	Repeated Signal Power @ Range In dBm	-142.09
GPS Carrier Frequency MHz	1575	Total System Gain	54	Range in Miles	0.02	Total Signal Power @ Range in Watts	6.2E-18				
Avg Receive Power L1 dBm North America	-130	Range in Meters	31.17	Radiated Power dBm	-76						
Free Space loss with Isotropic Antennas	-66.09	Range in Kilometers	0.03	Transmitted Power (W)	12.59E-12						
				Effective Radiated Power (W)	25.12E-12						
				Effective Radiated Power (dBW)	-106						