

Equivalent Isotropically Radiated Power Calculation

Receive Antenna Gain	35 dB
Antenna Cable Loss	-10 dB
Re-radiating Amplifier Gain	30 dB
Re-radiating Antenna Gain	3 dB
System Gain	58 dB

GPS L1 Carrier Frequency	1575.42 MHz
Range	0.03 km
Free Space Path Loss	-65.94 dB

GPS L1 Receive Power (typ.)	-130 dBm
System Gain	58 dB
Free Space Path Loss	-65.94 dB
Total Radiated Power	-137.94 dBm