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LAB WITHOUT VARIABLE ATTENUATOR-FIXED SIGNAL STRENGTH

Receive Ant Gain	Ant Cable Insertion Loss	Repeater Amp Gain	Repeater Ant Gain Best Case	Range in Feet	Repeated Signal Power @ Range In dBm
33	**-16**	**30**	**3**	100	-146.09

GPS Carrier Frequency MHz	Total System Gain	Range in Miles	Total Signal Power @ Range in Watts
1575	50	0.02	2.5E-18

Avg Receive Power L1 dBm North America		Range in Meters	Radiated Power dBm
-130		31.17	-80

Free Space loss with Isotropic Antennas		Range in Kilometers	Transmitted Power (W)
-66.09		0.03	5.0E-12

Effective Radiated Power (W)
10.0E-12

Effective Radiated Power (dBW)
-110

Cable Loss Items:
25 ft C240 cable = -3dB
1 ft cable = -1dB
S12 splitter = -4dB
75 ft C240 cable = -8dB
TOTAL LOSS = -16dB

Add Variable Attenuation values to this field to show changes in Repeated Signal Power at specific distances away from the retransmit anten

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