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SECOND FLOOR LAB WITH VARIABLE ATTENUATOR

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	-11	30	3	100	-141.09

GPS Carrier Frequency MHz
1575

Total System Gain
55

Range in Miles
0.02

Total Signal Power @ Range in Watts
7.8E-18

Avg Receive Power L1 dBm North America
-130

Range in Meters
31.17

Radiated Power dBm
-75

Free Space loss with Isotropic Antennas
-66.09

Range in Kilometers
0.03

Transmitted Power (W)
15.8E-12

Effective Radiated Power (W)
31.6E-12

Effective Radiated Power (dBW)
-105

Cable Loss Items:

25 ft C240 cable = -3dB

1 ft cable = -1dB

S12 splitter = -4dB

25 ft C240 cable = -3dB

TOTAL LOSS = -11dB

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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