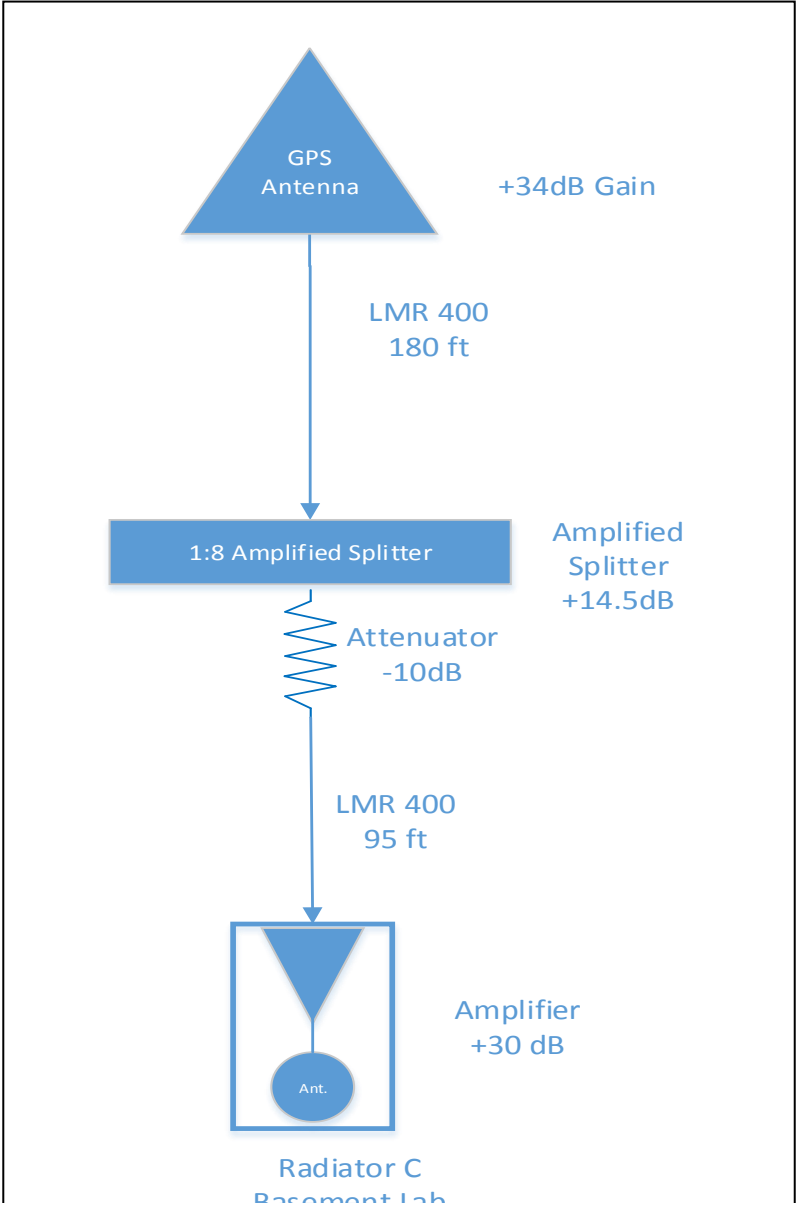


Link Budget Power Level (Radiator C - Basement Lab)						
	Distance (ft)	Gain/Loss dB	dBW	dBm	Watts	pW
Received Signal Level			-157	-127	2E-16	2E-10
Antenna Gain		34	-123	-93	5E-13	5E-07
LMR 400 Cable	180	-9.18	-132.18	-102.18	6.1E-14	6.1E-08
1:8 Amplified Splitter		14.5	-117.68	-87.68	1.7E-12	1.7E-06
Attenuator		-10	-127.68	-97.68	1.7E-13	1.7E-07
LMR 400 Cable	95	-4.845	-132.525	-102.53	5.6E-14	5.6E-08
Radiator Amplifier		30	-102.525	-72.525	5.6E-11	5.6E-05
Free Space Loss	100	-66.07601	-168.60101	-138.6	1.4E-17	1.4E-11

Radiated Power Level

Received Power @ Unit Under Test

Speed of light	299792458 m/s	LMR 400	
GPS Frequency	1575420000 Hz	freq (Mhz)	dB/100ft
Wavelength	0.190293673 meters	1500	5.1
meters/foot	0.3048		



Basement Lab