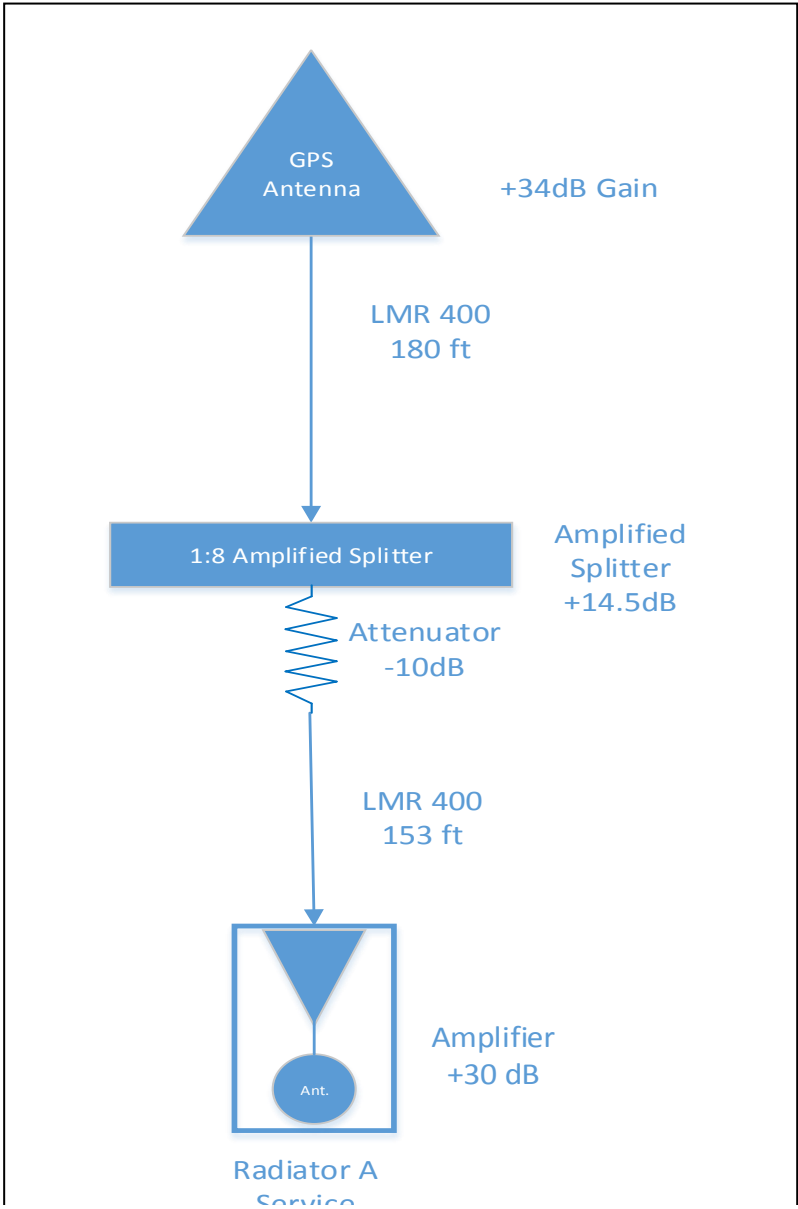


Link Budget Power Level (Radiator A - Service)						
	Distance (ft)	Gain/Loss dB	dBW	dBm	Watts	pW
Received Signal Level			-157	-127	2E-16	2E-10
Antenna Gain		34	-123	-93	5E-13	5E-07
LMR 400 Cable	180	-9.18	-132.18	-102.18	6.1E-14	6.1E-08
Attenuator		-10	-142.18	-112.18	6.1E-15	6.1E-09
1:8 Amplified Splitter		14.5	-127.68	-97.68	1.7E-13	1.7E-07
LMR 400 Cable	153	-7.803	-135.483	-105.48	2.8E-14	2.8E-08
Radiator Amplifier		30	-105.483	-75.483	2.8E-11	2.8E-05
Free Space Loss	100	-66.07601	-171.55901	-141.56	7E-18	7E-12

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		



service