

Exhibit 3

GPS Re-Radiator Calculations for SRC Huntsville Location

FCC File Number: 0110-EX-CM-2020

SRC Inc. Locations

- Huntsville, AL

Satellite Link Budget to Roof Mounted Receive Antenna for SRC Huntsville AL Facility

GPS Satellite Link Budget (Down Link)

GPS Satellite Downlink Power

Frequency L1	1575.42MHz	Frequency L2	1227.6MHz
Statelitte Transmitter power	25Watts	Statelitte Transmitter power	25Watts
	13.98dBW		13.98dBW
RF Losses in transmitter path	1.25dB	RF Losses in transmitter path	1.25dB
Antenna Gain (Isotropic)	13.5dBi	Antenna Gain (Isotropic)	13.5dBi
Satellite Effective Radiated Power	26.23dBW	Satellite Effective Radiated Power	26.23dBW

Propagation Losses

Frequency L1	1575.42MHz	Frequency L1	1227.6MHz
	1.58E+09Hz		1.23E+09Hz
Distance from Satellite to Earth	2.52E+07Meters	Distance from Satellite to Earth	2.52E+07Meters
	2.52E+04Kilometers		2.52E+04Kilometers
Atmospheric and polarization loss	0.05dB	Atmospheric and polarization loss	0.05dB
Speed of Light	3.00E+08M/Sec	Speed of Light	3.00E+08M/Sec
Wavelength (C/F)	1.90E-01Meters	Wavelength	2.44E-01Meters
Free Space Pathloss	184.43dB	Pathloss	182.26dB
Received Power on Earth	-158.25dBW	Received Power on Earth	-156.08dBW
	-128.25dBm		-126.08dBm

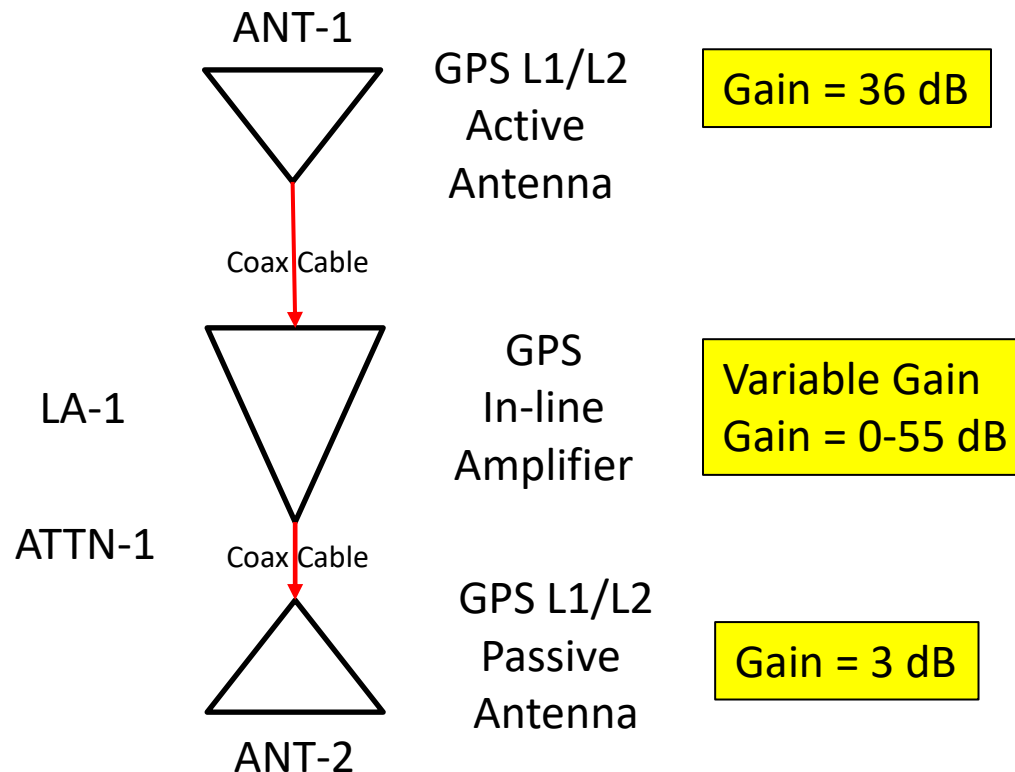
Power At Receive Antenna on Earth

Received Power on Earth	-158.25dBW	Received Power on Earth	-156.08dBW
	-128.25dBm		-126.08dBm

Data for Components Comprising SRC GPS Re-radiator Design from GPSSource

SRC Huntsville Configuration				
Description	Part Number	Parameter	Value	Units
ANTENNA 2.6" GPS L1/L2 ACTIVE, Pole Mount, NF	L1L2-2GA-PM-NF	Gain L1	34.5	dB
		Gain L2	34.5	dB
Metro RK Smart GPS Amplifier Variable Gain 0-55 dB	1548-MS-GPS-METRO-RK	Gain L1	30	dB
		Gain L2	30	dB
ANTENNA 2.6" GPS L1/L2 PASSIVE, NF	L1L2-2GP-NF	Gain L1	3	dB
		Gain L2	3	dB

Block Diagram of GPS Re-Radiating System for SRC Huntsville Building



Link Budget Calculations for SRC Building Room Interior

Indoor Link Budget (Receive antenna to Re-radiating Antenna)

Location: SRC Inc., Hunstville AL

Frequency L1	1575.42	MHz	Frequency L2	1227.6	MHz
ANT-1 Antenna Receive Gain	36	dBic	Antenna Receive Gain	36	dBic
RF Cable Loss (from Receive Antenna to Amplifier Input)	3.3	dB	RF Cable Loss (from Receive Antenna to Amplifier Input)	3.3	dB
LA-1 Line Amplifier Gain (Variable 0 - 30 dBm)	16	dB	Line Amplifier Gain	16	dB
RF Cable Loss (from Amplifier to Amplified Splitter Input)	0.1	dB	RF Cable Loss (from Amplifier to Amplified Splitter Input)	0.1	dB
AS-1 Amplified Splitter Port 1 Gain	3	dB	Amplified Splitter Port 1 Gain	3	dB
RF Cable Loss (from Amplifier to Passive Antenna)	5.1	dB	RF Cable Loss (from Amplifier to Passive Antenna)	5.1	dB
Additional Attenuation	0	dB	Additional Attenuation	0	dB
RF Power at input to Re-radiating antenna	-81.75	dBm	RF Power at input to Re-radiating antenna	-79.58	dBm
ANT-2 Passive Re-Radiating Antenna Gain	3	dB	ANT-2 Passive Re-Radiating Antenna Gain	3	dB
Re-radiated ERP Indoors	-78.75	dBm	Re-radiated ERP Indoors	-76.58	dBm
Pathloss Target Distance	100	ft	Pathloss Target Distance	100	ft
	30.480	meters		30.48	meters
Pathloss at 100 ft	66.08	dB	Pathloss at 100 ft	63.91	dB
RF Power Level at 100 ft from antenna	-144.82	dBm	RF Power Level at 100 ft from antenna	-140.49	dBm
Required RF Power Level at 100 ft	-140	dBm/24 MHz	Required RF Power Level at 100 ft	-140	dBm/24 MHz
	13.3458	pW		21.97987	pW

Using GPSSOURCE Hardware