

High Range EIRP			
GPS roof antenna average GPS receive power (dBm)	GPS SOURCE	L1A-PM-NF	-130
GPS roof antenna LNA gain (dB)			33
GPS 1:8 active splitter (dB)	GPS SOURCE	S18-P110/5-NF	18
Roof Antenna Cable to GPS Amplifier 1 (dB)	KTS-MADE CABLING	LMR-240 WITH Pasternack connectors	-6
GPS Amplifier 1 Gain (dB)			5
GPS Repeater antenna gain (dBic)	GPS SOURCE	GPSRKL1-V-P110/5-NF	3
Effective isotropically radiated power antenna 1 (dBm)			-77
Free space loss at 100ft (dB)			-66.1
Received power at 100ft from radiation point			-143.1

Low Range EIRP			
GPS roof antenna average GPS receive power (dBm)	GPS SOURCE	L1A-PM-NF	-130
GPS roof antenna LNA gain (dB)			33
GPS 1:8 active splitter (dB)	GPS SOURCE	S18-P110/5-NF	18
Roof Antenna Cable to GPS Amplifier 1 (dB)	KTS-MADE CABLING	LMR-240 WITH Pasternack connectors	-22.4
GPS Amplifier 1 Gain (dB)			5
GPS Repeater antenna gain (dBic)	GPS SOURCE	GPSRKL1-V-P110/5-NF	3
Effective isotropically radiated power antenna 1 (dBm)			-93.4
Free space loss at 100ft (dB)			-66.1
Received power at 100ft from radiation point			-159.5