

GPS BOOSTER STATION (RE-RADIATION SYSTEM) LINK

Frequency = 1575.4 MHz
 Wavelength = 0.190428 m
 Range, re-radiator to wall = 1.4 m 4.5 ft

Roof Active Antenna Gain =	40.0 dBi
Roof Active Antenna to Re-radiator LNA, Cable Insertion Loss =	-6.8 dB
Re-radiator LNA Gain =	23.0 dB
Re-radiator Antenna Gain =	-10.0 dBi
Booster Station Gain =	46.2 dB
Free Space Propagation Loss (Range + 30m) =	-66.3 dB
Specified GPS Signal Strength =	-130.0 dBm/24 MHz
Booster GPS Signal Strength =	-150.1 dBm/24 MHz
Specified Maximum Signal Strength =	-140.0 dBm/24 MHz
Margin =	10.1 dB