

GPS BOOSTER STATION (RE-RADIATION SYSTEM) LINK

Frequency = 1575.4 MHz
Wavelength = 0.190428 m
Range, re-radiator to wall = 0.0 m 0 ft

Top of Fuselage Antenna Gain	5.0
Top of Fuselage LNA Gain	48.0
Fuselage Antenna to Bias Tee Cable Insertion Loss =	-4.3
Bias Tee Insertion Loss =	-0.4
Bias Tee to Bottom of Fuselage Antenna Cable Insertion Loss =	-2.4
Re-radiator Antenna Gain =	6.0
Booster Station Gain =	51.9
Free Space Propagation Loss (Range = 30m) =	-65.9
Specified GPS Signal Strength =	-130.0
Booster GPS Signal Strength =	-144.0
Specified Maximum Signal Strength =	-140.0
Margin =	4.0

dBi

dB

dB

dB

dB

dBi

dB

dB

dBm/24 MHz

dBm/24 MHz

dBm/24 MHz

dB
