

12 GHz Telemetry Link Budget		
Link Parameters		On-Station
Frequency	(MHz)	12,201
Transmit Power	(dBW)	-6.0
Line Losses	(dB)	4.2
Antenna Gain (maximum)	(dBi)	36.1
EIRP (towards Cheyenne)	(dBW)	21.9
Free Space Path Loss	(dB)	206.5
Rx E/S G/T	(dB/K)	39.2
Downlink C/N ₀	(dB)	83.3
C/N ₀ Required (for ranging)	(dB)	67.6
Margin	(dB)	15.7