

12 GHz Telemetry Link Budget		
Link Parameters		Contingency
Frequency	(MHz)	12,201
Transmit Power	(dBW)	15.4
Line Losses	(dB)	5.2
Antenna Gain (maximum)	(dBi)	-4.0
EIRP (towards Cheyenne)	(dBW)	6.2
Polarization Loss	(dB)	4.0
Free Space Path Loss	(dB)	206.5
Rx E/S G/T	(dB/K)	39.2
Downlink C/N ₀	(dB)	63.6
C/N ₀ Required (for telemetry)	(dB)	61.8
Margin	(dB)	1.8