

Table 3-2: Telemetry Link Budget (Transfer Orbit and Emergency Operations)

Telemetry Link Budget (Transfer and Emergency)		
Link Parameters		
Frequency	(MHz)	12,198
Transmit Power	(dBW)	16.0
Line Losses	(dB)	3.0
Antenna Gain (EOC)	(dBi)	-0.5
EIRP	(dBW)	12.5
Free Space Path Loss	(dB)	206.5
Rx E/S G/T	(dB/K)	38.0
Downlink C/N	(dB)	12.6
C/N Required	(dB)	9.0
Margin	(dB)	3.6