

Table 3-1: Command Link Budget (Transfer Orbit and Emergency Operations)

Command Link Budget (Transfer Orbit and Emergency)			
Link Parameters		High U/L	Low U/L
Frequency	(MHz)	14,003	14,003
Incident Flux Density	(dBW/m ²)	-60.0	-80.0
Aperture Factor	(dB-m ²)	-44.4	-44.4
Incident Isotropic Power	(dBW)	-104.4	-124.4
Antenna Gain (EOC)	(dBi)	-0.5	-0.5
Noise Temperature	(dB-K)	30.0	30.0
Total Receive Losses	(dB)	12.0	12.0
Satellite G/T	(dB/K)	-30.5	-30.5
Receiver Input Power	(dBm)	-86.9	-106.9
Receiver Threshold	(dBm)	-112.0	-112.0
Spacecraft Margin	(dB)	25.1	5.1