

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

<b>Command Link Budget (Transfer Orbit and Emergency)</b>			
<b>Link Parameters</b>		<b>High U/L</b>	<b>Low U/L</b>
Frequency	(MHz)	14,003	14,003
Incident Flux Density	(dBW/m <sup>2</sup> )	-60.0	-80.0
Aperture Factor	(dB-m <sup>2</sup> )	-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