

### Command Link Budget (On-Station Operations)

<b>Command Link Budget (On Station)</b>			
<b>Link Parameters</b>		<b>High U/L</b>	<b>Low U/L</b>
Frequency	(MHz)	29,999	29,999
Incident Flux Density	(dBW/m <sup>2</sup> )	-107.0	-127.0
Aperture Factor	(dB-m <sup>2</sup> )	-51.0	-51.0
Incident Isotropic Power	(dBW)	-158.0	-178.0
Antenna Gain	(dBi)	48.0	48.0
Noise Temperature	(dB-K)	32.5	32.5
Satellite G/T	(dB/K)	15.5	15.5
Receiver Input Power	(dBm)	-80.0	-100.0
Receiver Threshold	(dBm)	-107.0	-107.0
Spacecraft Margin	(dB)	27.0	7.0