

## Command Link Budget (Transfer Orbit and Emergency)

Link Parameters		High U/L	Low U/L
Frequency	(MHz)	17,791	17,791
Incident Flux Density	(dBW/m <sup>2</sup> )	-60.0	-80.0
Aperture Factor	(dB-m <sup>2</sup> )	-46.5	-46.5
Incident Isotropic Power	(dBW)	-106.5	-126.5
Antenna Gain (EOC)	(dBi)	0.0	0.0
Noise Temperature	(dB-K)	35.0	35.0
Total Receive Losses	(dB)	12.0	12.0
Satellite G/T	(dB/K)	-35.0	-35.0
Receiver Input Power	(dBm)	-88.5	-108.5
Receiver Threshold	(dBm)	-112.0	-112.0
Spacecraft Margin	(dB)	23.5	3.5