

## Command Link Budget (On Station)

Link Parameters		High U/L	Low U/L
Frequency	(MHz)	29,251	29,251
Incident Flux Density	(dBW/m <sup>2</sup> )	-100.0	-115.0
Aperture Factor	(dB-m <sup>2</sup> )	-50.8	-50.8
Incident Isotropic Power	(dBW)	-150.8	-165.8
Antenna Gain (-3 dB)	(dBi)	43.0	43.0
Noise Temperature	(dB-K)	27.2	27.2
Total Receive Losses	(dB)	8.0	8.0
Satellite G/T	(dB/K)	15.8	15.8
Receiver Input Power	(dBW)	-115.8	-130.8
Receiver Threshold	(dBW)	-140.0	-140.0
Spacecraft Margin	(dB)	24.2	9.2