

Table A.13-13: Command Link Budget (On-Station Operations)

Command Link Budget (On Station)			
Link Parameters		High U/L	Low U/L
Frequency	(MHz)	29,999	29,999
Incident Flux Density	(dBW/m ²)	-107.0	-127.0
Aperture Factor	(dB-m ²)	-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