

Table 3-3: 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)	-75.0	-90.0
Aperture Factor	(dB-m ²)	-51.0	-51.0
Incident Isotropic Power	(dBW)	-126.0	-141.0
Antenna Gain (EOC)	(dBi)	16.3	16.3
Noise Temperature	(dB-K)	30.0	30.0
Total Receive Losses	(dB)	8.0	8.0
Satellite G/T	(dB/K)	-13.7	-13.7
Receiver Input Power	(dBm)	-87.7	-102.7
Receiver Threshold	(dBm)	-110.0	-110.0
Spacecraft Margin	(dB)	22.3	7.3