

Command Link Budget (On Station)			
Link Parameters		Rain	Clear
Frequency	(MHz)	29,999.5	29,999.5
Uplink EIRP	(dBW)	72.9	50.0
Rain Fade	(dB)	17.0	0.0
Spreading Loss	(dB/m2)	162.9	162.9
Incident Flux Density	(dBW/m2)	-107.0	-112.9
Aperture Factor	(dB-m2)	-51.0	-51.0
Incident Isotropic Power	(dBW)	-158.0	-163.9
Antenna Gain (peak)	(dBi)	49.4	49.4
Total Receive Losses	(dB)	12.9	12.9
Receiver Input Power	(dBm)	-91.5	-97.4
Receiver Threshold	(dBm)	-112.0	-112.0
Spacecraft Margin	(dB)	20.5	14.6