

## Command Link Budget

Link Parameters		On-Station
Frequency (average)	(MHz)	29506.25
Tx E/S Antenna Gain	(dBi)	64.0
Power to Tx E/S Antenna	(dBW)	6.0
Tx E/S EIRP	(dBW)	70.0
Incident Flux Density	(dBW/m <sup>2</sup> )	-92.8
Aperture Factor	(dB-m <sup>2</sup> )	-50.9
Polarization Loss	(dB)	0.0
Incident Isotropic Power	(dBW)	-143.7
Antenna Gain (EOC)	(dBi)	36.0
Noise Temperature	(dB-K)	29.0
Total Receive Losses	(dB)	16.0
Satellite G/T	(dB/K)	-9.0
Receiver Input Power	(dBW)	-123.7
Receiver Threshold	(dBW)	-145.0
Spacecraft Margin	(dB)	21.3