

## Command Link Budget

Link Parameters	On-Station
Frequency (MHz)	17,794
Tx E/S Antenna Gain (dBi)	63.9
Power to Tx E/S Antenna (dBW)	5.9
Tx E/S EIRP (dBW)	69.8
Incident Flux Density (dBW/m <sup>2</sup> )	-93.0
Aperture Factor (dB-m <sup>2</sup> )	-46.5
Polarization Loss (dB)	0.0
Incident Isotropic Power (dBW)	-139.5
Antenna Gain (dBi)	38.0
Noise Temperature (dB-K)	30.0
Total Receive Losses (dB)	18.0
Satellite G/T (dB/K)	-10.0
Receiver Input Power (dBW)	-119.5
Receiver Threshold (dBW)	-145.0
Spacecraft Margin (dB)	25.5