

Command Link Budget

Link Parameters	Transfer Orbit
Frequency (MHz)	17,794
Tx E/S Antenna Gain (dBi)	63.9
Power to Tx E/S Antenna (dBW)	16.4
Tx E/S EIRP (dBW)	80.3
Incident Flux Density (dBW/m ²)	-83.0
Aperture Factor (dB-m ²)	-46.5
Polarization Loss (dB)	0.0
Incident Isotropic Power (dBW)	-129.5
Antenna Gain (dBi)	-4.0
Noise Temperature (dB-K)	30.0
Total Receive Losses (dB)	10.0
Satellite G/T (dB/K)	-44.0
Receiver Input Power (dBW)	-143.5
Receiver Threshold (dBW)	-145.0
Spacecraft Margin (dB)	1.5