

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