

Command Link Budget

Link Parameters	On-Station
Frequency (MHz)	17,304
Tx E/S Antenna Gain (dBi)	63.9
Power to Tx E/S Antenna (dBW)	8.9
Tx E/S EIRP (dBW)	72.8
Incident Flux Density (dBW/m ²)	-90.0
Aperture Factor (dB-m ²)	-46.2
Polarization Loss (dB)	3.0
Incident Isotropic Power (dBW)	-139.3
Antenna Gain (dBi)	19.0
Noise Temperature (dB-K)	30.0
Total Receive Losses (dB)	6.0
Satellite G/T (dB/K)	-17.0
Receiver Input Power (dBW)	-126.3
Receiver Threshold (dBW)	-138.0
Spacecraft Margin (dB)	11.7