

Command Link Budget

| Link Parameters | | Omni Beam |
|--------------------------|-----------------------|-----------|
| Frequency | (MHz) | 17,791.5 |
| Tx E/S Antenna Gain | (dBi) | 63.9 |
| Power to Tx E/S Antenna | (dBW) | 16.7 |
| Tx E/S EIRP | (dBW) | 80.6 |
| 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 (EOC) | (dBi) | -4.0 |
| Receiver Input Power | (dBW) | -140.5 |
| Receiver Threshold | (dBW) | -145.0 |
| Spacecraft Margin | (dB) | 4.5 |