

| <b>Telemetry Link Budget (On Station)</b> |        |        |
|---|--------|--------|
| <b>Link Parameters</b>                    |        |        |
| Frequency                                 | (MHz)  | 18,798 |
| Transmit Power                            | (dBW)  | 6.0    |
| Line Losses                               | (dB)   | 3.0    |
| Antenna Gain (EOC)                        | (dBi)  | 16.0   |
| EIRP                                      | (dBW)  | 19.0   |
| Free Space Path Loss                      | (dB)   | 209.7  |
| Rx E/S G/T                                | (dB/K) | 37.0   |
| Downlink C/N                              | (dB)   | 14.9   |
| C/N Required                              | (dB)   | 9.0    |
| Margin                                    | (dB)   | 5.9    |