

|                             | <b>Unit</b> | <b>RPS-Cu</b> |
|-----------------------------|-------------|---------------|
| Input Power                 | dBW         | -0.4          |
| Line Losses                 | dB          | 2.0           |
| Maximum Input Power Density | dBW/Hz      | -39.4         |
| Antenna Gain                | dBi         | 59.4          |
| Uplink EIRP                 | dBW         | 57.0          |
| Pointing Loss               | dB          | 0.5           |
| Path Loss                   | dB          | 200.6         |
| Atmospheric Loss            | dB          | 0.2           |
| Polarization Loss           | dB          | 0.1           |
| Antenna Gain                | dBi         | 8.0           |
| Noise Temperature           | dB-K        | 30.0          |
| G/T                         | dB/K        | -22.0         |
| C/No                        | dB-Hz       | 62.2          |
| C/Io Adjacent Interference  | dB-Hz       | 67.9          |
| C/(No+Io)                   | dB-Hz       | 61.2          |
| Required C/(No+Io)          | dB-Hz       | 50.0          |
| C/(No+Io) Margin            | dB          | 11.2          |