

| Link Parameters | Units | 17M9G7W |
|---|--------------|----------------|
| Uplink frequency | GHz | 13.90 |
| Downlink frequency | GHz | 11.60 |
| Carrier bandwidth | kHz | 17900.0 |
| Uplink: | | |
| Nominal E/S e.i.r.p. per carrier | dBW | 70.6 |
| Earth station diameter | m | 7.0 |
| Earth station gain | dBi | 58.3 |
| Uplink input power per carrier | dBW | 12.3 |
| Atmospheric loss | dB | 0.3 |
| Free space path loss | dB | 207.0 |
| G/T satellite (-3dB contour) | dB/K | 5.0 |
| C/N thermal uplink | dB | 24.4 |
| C/I XPOL, ACI, IM, ASI | dB | 21.5 |
| C/(N+I) uplink | dB | 19.7 |
| Downlink: | | |
| Satellite e.i.r.p. per carrier (-3dB contour) | dBW | 43.5 |
| Atmospheric loss | dB | 0.2 |
| Free space path loss | dB | 205.4 |
| Earth station diameter | m | 6.0 |
| Earth station gain | dBi | 55.4 |
| Noise temperature | K | 175.0 |
| Earth station G/T | dB/K | 33.0 |
| C/N thermal downlink | dB | 26.9 |
| C/I XPOL, ACI, IM, ASI | dB | 23.8 |
| C/(N+I) downlink | dB | 20.3 |
| Overall: | | |
| C/(N+I) overall | dB | 17.0 |
| C/(N+I) required | dB | 12.4 |
| System Margin | dB | 4.6 |