

| Link Parameters | Units | 36M0G7W |
|---|--------|---------|
| Uplink frequency | GHz | 6.20 |
| Downlink frequency | GHz | 4.00 |
| User data rate | kbit/s | 50400.0 |
| Modulation | | QPSK |
| Total coding rate | | 0.841 |
| Carrier bandwidth | kHz | 36000.0 |
| Uplink: | | |
| Nominal E/S e.i.r.p. per carrier | dBW | 76.0 |
| Earth station diameter | m | 9.0 |
| Earth station gain | dBi | 53.5 |
| Uplink input power per carrier | dBW | 22.5 |
| Uplink input power density | dBW/Hz | -53.0 |
| Atmospheric loss | dB | 0.1 |
| Free space path loss | dB | 200.0 |
| G/T satellite (-3dB contour) | dB/K | 1.2 |
| C/N thermal uplink | dB | 30.2 |
| C/I XPOL, ACI, IM, ASI | dB | 21.6 |
| C/(N+I) uplink | dB | 21.0 |
| Downlink: | | |
| Satellite e.i.r.p. per carrier (-3dB contour) | dBW | 39.5 |
| Atmospheric loss | dB | 0.1 |
| Free space path loss | dB | 196.2 |
| Earth station diameter | m | 3.7 |
| Earth station gain | dBi | 42.0 |
| Noise temperature | K | 90.0 |
| Earth station G/T | dB/K | 22.4 |
| C/N thermal downlink | dB | 18.6 |
| C/I XPOL, ACI, IM, ASI | dB | 14.2 |
| C/(N+I) downlink | dB | 10.5 |
| Overall: | | |
| C/(N+I) overall | dB | 10.1 |
| C/(N+I) required | dB | 6.5 |
| System Margin | dB | 3.6 |