

| Link Parameters | Units | 36M0G7W |
|--|--------------|----------------|
| Uplink frequency | GHz | 13.90 |
| Downlink frequency | GHz | 11.10 |
| User data rate | kbit/s | 41505 |
| Modulation | | QPSK |
| Total coding rate | | 0.691 |
| Carrier bandwidth | kHz | 36000 |
| Uplink: | | |
| Nominal E/S e.i.r.p. per carrier | dBW | 72.1 |
| Earth station diameter | m | 4.5 |
| Earth station gain | dBi | 54.5 |
| Uplink input power per carrier | dBW | 17.6 |
| Uplink input power density | dBW/Hz | -57.9 |
| Atmospheric loss | dB | 0.2 |
| Free space path loss | dB | 207.0 |
| G/T satellite (-3 dB contour) | dB/K | 2.4 |
| C/N thermal uplink | dB | 20.3 |
| C/I XPOL, ACI, ASI | dB | 17.7 |
| C/(N+I) uplink | dB | 15.8 |
| Downlink: | | |
| Satellite e.i.r.p. per carrier (-3 dB contour) | dBW | 41.5 |
| Atmospheric loss | dB | 0.1 |
| Free space path loss | dB | 205.1 |
| Earth station diameter | m | 3.7 |
| Earth station gain | dBi | 50.8 |
| Noise temperature | K | 130.0 |
| Earth station G/T | dB/K | 29.7 |
| C/N thermal downlink | dB | 19.0 |
| C/I XPOL, ACI, IM, ASI | dB | 14.1 |
| C/(N+I) downlink | dB | 10.6 |
| Overall: | | |
| C/(N+I) overall | dB | 9.5 |
| C/(N+I) required | dB | 5.7 |
| Margin | dB | 3.8 |