

| Link Parameters | Units | 36M0G7W |
|---|--------------|----------------|
| Uplink frequency | GHz | 14.25 |
| Downlink frequency | GHz | 11.95 |
| Occupied bandwidth | kHz | 35998 |
| Uplink: | | |
| Nominal E/S e.i.r.p. per carrier | dBW | 73.0 |
| Earth station diameter | m | 4.5 |
| Earth station gain | dBi | 54.7 |
| Uplink input power per carrier | dBW | 18.3 |
| Atmospheric loss | dB | 0.3 |
| Free space path loss | dB | 207.2 |
| G/T satellite (-3dB contour) | dB/K | 3.0 |
| C/N thermal uplink | dB | 21.5 |
| C/I XPOL, ACI, IM, ASI | dB | 24.2 |
| C/(N+I) uplink | dB | 19.6 |
| Downlink: | | |
| Satellite e.i.r.p. per carrier (-3dB contour) | dBW | 47.2 |
| Atmospheric loss | dB | 0.2 |
| Free space path loss | dB | 205.7 |
| Earth station diameter | m | 1.2 |
| Earth station gain | dBi | 41.7 |
| Earth station G/T | dB/K | 21.3 |
| C/N thermal downlink | dB | 15.6 |
| C/I XPOL, ACI, IM, ASI | dB | 17.8 |
| C/(N+I) downlink | dB | 12.2 |
| Overall: | | |
| C/(N+I) overall | dB | 11.5 |
| C/(N+I) required | dB | 6.1 |
| System Margin | dB | 5.4 |