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| General | Unit | |
| User terminal type | - | FLEET-33 |
| Modulation ID / Designator | - | 5K00G1W |
| Data rate (kbps) | (kbps) | 4.8 |
| Coding rate | - | 0.5 |
| Modulation | - | O-QPSK |
| Carrier bandwidth | (kHz) | 3.5 |
| Allocated bandwidth | (kHz) | 7.5 |
| Uplink | | |
| Frequency | (GHz) | 1.6 |
| User terminal EIRP towards satellite | (dBW) | 20.1 |
| User terminal tx gain | (dBi) | 11.5 |
| Uplink power | (dBW) | 8.6 |
| Uplink p.s.d averaged in 4 kHz | (dBW/4kHz) | 8.6 |
| Path loss | (dB) | 188.8 |
| Mean Atmospheric loss | (dB) | 0.1 |
| Satellite G/T | (dB/K) | -10.0 |
| Adjacent Channel Interference | (dB) | 0.2 |
| Up-path C/No | (dBHz) | 49.6 |
| Downlink | | |
| Frequency | (GHz) | 3.6 |
| Satellite EIRP | (dBW) | -10.3 |
| Path loss | (dB) | 195.7 |
| Mean Atmospheric loss | (dB) | 0.4 |
| Antenna diameter | m | 19.0 |
| Earth station G/T | (dB/K) | 35.6 |
| Random Loss | (dB) | 1.0 |
| Down-path C/No | (dBHz) | 56.8 |
| Total | | |
| Mean satellite C/IMo | (dBHz) | 58.2 |
| Co-Channel Interference | (dBHz) | 75.4 |
| Other system interference allocation | (dB) | 1.0 |
| Mean Overall C/No | (dBHz) | 47.4 |
| Mean Overall C/N | (dB) | 11.9 |
| Margin | | |
| C/N objective | (dB) | 5.4 |
| C/N margin | (dB) | 6.5 |