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| General | Unit | |
| User terminal type | - | FLEET-33 |
| Emission Designator | - | 17K5G1D |
| Data rate (kbps) | (kbps) | 9.6 |
| Coding rate | - | 0.5 |
| Modulation | - | O-QPSK |
| Carrier bandwidth | (kHz) | 15 |
| Allocated bandwidth | (kHz) | 17.5 |
| Uplink | | |
| Frequency | (GHz) | 6.5 |
| Earth Station EIRP | (dBW) | 60.8 |
| Antenna diameter | m | 19.0 |
| Antenna tx gain | dBi | 59.2 |
| Uplink power | (dBW) | 1.6 |
| Uplink p.s.d. avgd. in 4 kHz | (dBW/4kHz) | -4.2 |
| Path loss | (dB) | 200.9 |
| Mean Atmospheric loss | (dB) | 0.4 |
| Satellite G/T | (dB/K) | -10.4 |
| Up-path C/No | (dBHz) | 77.7 |
| Downlink | | |
| Frequency | (GHz) | 1.5 |
| Satellite EIRP | (dBW) | 25.5 |
| Path loss | (dB) | 188.4 |
| Mean Atmospheric loss | (dB) | 0.1 |
| User terminal G/T | (dB/K) | -12.5 |
| Down-path C/No | (dBHz) | 53.1 |
| Total | | |
| Mean satellite C/IMo | (dBHz) | 59.1 |
| Co-Channel Interference | (dBHz) | 65.4 |
| Other system interference allocation | (dB) | 1.0 |
| Mean Overall C/No | (dBHz) | 50.9 |
| Mean Overall C/N | (dB) | 9.1 |
| Margin | | |
| C/N objective | (dB) | 4.5 |
| C/N margin | (dB) | 4.6 |