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|---|--------------|-----------|-------|
| Antenna Diameter | (m) | 6.5 | 6.5 |
| Scenario | | Clear Sky | Rain |
| Uplink BW | (MHz) | 250 | 250 |
| Emission Code | | 250MG7W | |
| Power @ flange | (dBW) | 4.2 | 14.5 |
| Power density @ flange | (dBW/Hz) | -79.8 | |
| E/S antenna diameter | (m) | 6.5 | 6.5 |
| E/S Antenna Gain | (dBi) | 64.2 | 64.2 |
| EIRP | (dBW) | 68.4 | 78.7 |
| ATM Loss | (dB) | 0.8 | 0.8 |
| FSL | (dB) | 213.5 | 213.5 |
| Rain Fade | (dB) | 0 | 10.3 |
| Satellite antenna gain (EOC) | (dB) | 44.6 | 44.6 |
| Satellite noise temp | (°K) | 650 | 650 |
| Satellite G/T | (dB/K) | 16.5 | 16.5 |
| C/N thermal up | (dB) | 15.2 | 15.2 |
| C/I INTRASYSTEM up | (dB) | 11 | 11 |
| C/I INTERSYSTEM up | (dB) | 16.6 | 16.6 |
| C/(N+I) Total | (dB) | 8.8 | 8.8 |
| FCC Off-Axis EIRP Limit at 2 degrees (FCC 25.138(a)(1)) | (dBW/40 kHz) | 11.0 | |
| Antenna gain at 2 degrees | (dBi) | 21.5 | |
| Power at the antenna flange in 40 kHz | (dBW/40 kHz) | -33.8 | |
| EIRP in 40 kHz at 2 degrees | (dBW/40 kHz) | -12.3 | |
| Margin from FCC limit | dB | 23.3 | |