

General	
Data rate (kbps)	(kbps)
Coding rate	-
Modulation	-
Carrier bandwidth	(kHz)
Uplink	
Frequency	(GHz)
Earth Station EIRP	(dBW)
Antenna diameter	m
Antenna tx gain	dBi
Uplink power	(dBW)
Uplink p.s.d.	(dBW/Hz)
Path loss	(dB)
Rain loss	(dB)
Mean atmospheric loss	(dB)
Satellite G/T (EOC)	(dB/K)
Boltzmann constant	(dBW/K/Hz)
Up-path C/No	(dBHz)
Downlink	
Frequency	(GHz)
Satellite EIRP (EOC)	(dBW)
Path loss	(dB)
Rain loss	(dB)
Mean atmospheric loss	(dB)
User terminal G/T	(dB/K)
T (clear sky)	K
G/T degradation due to rain	(dB)
Boltzmann constant	(dBW/K/Hz)
User terminal pointing loss	(dB)
Down-path C/No	(dBHz)
Total	
Mean satellite C/Imo	(dBHz)
Co-Channel Interference	(dBHz)
Other system interference allocation	(dB)
Mean Overall C/No	(dBHz)
Mean Overall C/N	(dB)
Margin	
C/N required	(dB)
Margin	(dB)