

General	Unit	
User terminal type	-	M4
Emission Designator	-	10K0G1X
Data rate (kbps)	(kbps)	3
Coding rate	-	0.5
Modulation	-	BPSK
Carrier bandwidth	(kHz)	7.5
Allocated bandwidth	(kHz)	10
Uplink		
Frequency	(GHz)	6.5
Earth Station EIRP	(dBW)	60.0
Antenna diameter	m	19.0
Antenna tx gain	dBi	59.6
Uplink power	(dBW)	0.4
Uplink p.s.d. avgd. in 4 kHz	(dBW/4kHz)	-2.4
Path loss	(dB)	200.9
Mean Atmospheric loss	(dB)	0.4
Satellite G/T	(dB/K)	-10.4
Up-path C/No	(dBHz)	76.9
Downlink		
Frequency	(GHz)	1.5
Satellite EIRP	(dBW)	21.7
Path loss	(dB)	188.4
Mean Atmospheric loss	(dB)	0.1
User terminal G/T	(dB/K)	-17.0
Down-path C/No	(dBHz)	44.8
Total		
Mean satellite C/IMo	(dBHz)	54.2
Co-Channel Interference	(dBHz)	999.0
Other system interference allocation	(dB)	1.0
Mean Overall C/No	(dBHz)	43.3
Mean Overall C/N	(dB)	4.6
Margin		
C/N objective	(dB)	2.8
C/N margin	(dB)	1.8