

General	Unit	
User terminal type	-	Class1
Modulation ID / Designator	-	C1F3/ 50K0D7W
Data rate (kbps)	(kbps)	98
Coding rate	-	0.766
Modulation	-	16-QAM
Carrier bandwidth	(kHz)	42
Allocated bandwidth	(kHz)	50
Uplink		
Frequency	(GHz)	6.5
Earth Station EIRP	(dBW)	61.0
Antenna diameter	m	19.0
Antenna tx gain	dBi	59.6
Uplink power	(dBW)	1.4
Uplink p.s.d. avgd. in 4 kHz	(dBW/4kHz)	-8.8
Path loss	(dB)	200.9
Mean Atmospheric loss	(dB)	0.4
Satellite G/T	(dB/K)	-10.4
Up-path C/No	(dBHz)	77.9
Downlink		
Frequency	(GHz)	1.5
Satellite EIRP	(dBW)	30.2
Path loss	(dB)	188.4
Mean Atmospheric loss	(dB)	0.1
User terminal G/T	(dB/K)	-9.7
Down-path C/No	(dBHz)	60.6
Total		
Mean satellite C/IMo	(dBHz)	67.8
Co-Channel Interference	(dBHz)	70.0
Other system interference allocation	(dB)	1.0
Mean Overall C/No	(dBHz)	58.4
Mean Overall C/N	(dB)	12.1
Margin		
C/N objective	(dB)	11.4
C/N margin	(dB)	0.7