

General	Unit	
User terminal type	-	Class-1
Modulation ID / Designator	-	C1F4/ 12K5G7W
Data rate (kbps)	(kbps)	12.2
Coding rate	-	0.897
Modulation	-	QPSK
Carrier bandwidth	(kHz)	10.5
Allocated bandwidth	(kHz)	12.5
Uplink		
Frequency	(GHz)	6.5
Earth Station EIRP	(dBW)	60.3
Antenna diameter	m	19.0
Antenna tx gain	dBi	59.6
Uplink power	(dBW)	0.7
Uplink p.s.d. avgd. in 4 kHz	(dBW/4kHz)	-3.5
Path loss	(dB)	200.9
Mean Atmospheric loss	(dB)	0.4
Satellite G/T	(dB/K)	-10.4
Up-path C/No	(dBHz)	77.2
Downlink		
Frequency	(GHz)	1.5
Satellite EIRP	(dBW)	27.5
Path loss	(dB)	188.4
Mean Atmospheric loss	(dB)	0.1
User terminal G/T	(dB/K)	-9.7
Down-path C/No	(dBHz)	57.9
Total		
Mean satellite C/IMo	(dBHz)	64.0
Co-Channel Interference	(dBHz)	999.0
Other system interference allocation	(dB)	1.0
Mean Overall C/No	(dBHz)	55.9
Mean Overall C/N	(dB)	15.7
Margin		
C/N objective	(dB)	8.1
C/N margin	(dB)	7.6