

General	Unit	
User terminal type	-	INM-M (Med. Gain)
Modulation ID / Designator	-	10K0G1W
Data rate (kbps)	(kbps)	4
Coding rate	-	0.5
Modulation	-	O-QPSK
Carrier bandwidth	(kHz)	5
Allocated bandwidth	(kHz)	10
Uplink		
Frequency	(GHz)	1.6
User terminal EIRP towards satellite	(dBW)	25.0
User terminal tx gain	(dBi)	14.0
Uplink power	(dBW)	11.0
Uplink p.s.d averaged in 4 kHz	(dBW/4kHz)	10.0
Path loss	(dB)	188.8
Mean Atmospheric loss	(dB)	0.1
Satellite G/T	(dB/K)	-10.0
Adjacent Channel Interference	(dB)	0.2
Up-path C/No	(dBHz)	54.5
Downlink		
Frequency	(GHz)	3.6
Satellite EIRP	(dBW)	-13.4
Path loss	(dB)	195.7
Mean Atmospheric loss	(dB)	0.4
Antenna diameter	m	9.0
Earth station G/T	(dB/K)	30.2
Random Loss	(dB)	1.0
Down-path C/No	(dBHz)	48.3
Total		
Mean satellite C/IMo	(dBHz)	55.1
Co-Channel Interference	(dBHz)	75.4
Other system interference allocation	(dB)	1.0
Mean Overall C/No	(dBHz)	45.7
Mean Overall C/N	(dB)	8.7
Margin		
C/N objective	(dB)	5.0
C/N margin	(dB)	3.7