

General	Unit	
User terminal type	-	FLEET-77
Modulation ID / Designator	-	45K0G7D
Data rate (kbps)	(kbps)	64
Coding rate	-	0.5
Modulation	-	16 QAM
Carrier bandwidth	(kHz)	40
Allocated bandwidth	(kHz)	45
Uplink		
Frequency	(GHz)	1.6
User terminal EIRP towards satellite	(dBW)	30.0
User terminal tx gain	(dBi)	20.0
Uplink power	(dBW)	10.0
Uplink p.s.d averaged in 4 kHz	(dBW/4kHz)	0.0
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)	59.5
Downlink		
Frequency	(GHz)	3.6
Satellite EIRP	(dBW)	1.7
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)	63.4
Total		
Mean satellite C/IMo	(dBHz)	70.2
Co-Channel Interference	(dBHz)	75.4
Other system interference allocation	(dB)	1.0
Mean Overall C/No	(dBHz)	56.7
Mean Overall C/N	(dB)	10.7
Margin		
C/N objective	(dB)	7.7
C/N margin	(dB)	3.0