

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)		27.6
User terminal tx gain	(dBi)		20.0
Uplink power	(dBW)		7.6
Uplink p.s.d averaged in 4 kHz	(dBW/4kHz)		-2.4
Path loss	(dB)		188.8
Mean Atmospheric loss	(dB)		0.1
Satellite G/T	(dB/K)		2.2
Adjacent Channel Interference	(dB)		0.2
Up-path C/No	(dBHz)		69.3
Downlink			
Frequency	(GHz)		3.6
Satellite EIRP	(dBW)		1.2
Path loss	(dB)		195.7
Mean Atmospheric loss	(dB)		0.4
Earth station G/T	(dB/K)		35.6
Random Loss	(dB)		1.0
Down-path C/No	(dBHz)		68.3
Total			
Mean satellite C/IMo	(dBHz)		69.7
Co-Channel Interference	(dBHz)		75.4
Other system interference allocation	(dB)		1.0
Mean Overall C/No	(dBHz)		63.0
Mean Overall C/N	(dB)		17.0
Margin			
C/N objective	(dB)		7.7
C/N margin	(dB)		9.3