

<b>General</b>		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
<b>Uplink</b>			
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
<b>Downlink</b>			
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
<b>Total</b>			
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
<b>Margin</b>			
C/N objective	(dB)		7.7
C/N margin	(dB)		9.3