

General	Unit	
User terminal type	-	FLEET-77
Emission 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)	6.5
Earth Station EIRP	(dBW)	59.7
Antenna diameter	m	19.0
Antenna tx gain	dBi	59.2
Uplink power	(dBW)	0.5
Uplink p.s.d. avgd. in 4 kHz	(dBW/4kHz)	-9.5
Path loss	(dB)	200.9
Mean Atmospheric loss	(dB)	0.4
Satellite G/T	(dB/K)	-10.4
Up-path C/No	(dBHz)	76.6
Downlink		
Frequency	(GHz)	1.5
Satellite EIRP	(dBW)	24.4
Path loss	(dB)	188.4
Mean Atmospheric loss	(dB)	0.1
User terminal G/T	(dB/K)	-4.0
Down-path C/No	(dBHz)	60.5
Total		
Mean satellite C/IMo	(dBHz)	58.0
Co-Channel Interference	(dBHz)	69.5
Other system interference allocation	(dB)	1.0
Mean Overall C/No	(dBHz)	54.8
Mean Overall C/N	(dB)	8.8
Margin		
C/N objective	(dB)	7.7
C/N margin	(dB)	1.1