

General	Unit	
User terminal type	-	FLEET-33
Emission Designator	-	17K5G1D
Data rate (kbps)	(kbps)	9.6
Coding rate	-	0.5
Modulation	-	O-QPSK
Carrier bandwidth	(kHz)	15
Allocated bandwidth	(kHz)	17.5
Uplink		
Frequency	(GHz)	6.5
Earth Station EIRP	(dBW)	60.8
Antenna diameter	m	19.0
Antenna tx gain	dBi	59.2
Uplink power	(dBW)	1.6
Uplink p.s.d. avgd. in 4 kHz	(dBW/4kHz)	-4.2
Path loss	(dB)	200.9
Mean Atmospheric loss	(dB)	0.4
Satellite G/T	(dB/K)	-10.4
Up-path C/No	(dBHz)	77.7
Downlink		
Frequency	(GHz)	1.5
Satellite EIRP	(dBW)	25.5
Path loss	(dB)	188.4
Mean Atmospheric loss	(dB)	0.1
User terminal G/T	(dB/K)	-12.5
Down-path C/No	(dBHz)	53.1
Total		
Mean satellite C/IMo	(dBHz)	59.1
Co-Channel Interference	(dBHz)	65.4
Other system interference allocation	(dB)	1.0
Mean Overall C/No	(dBHz)	50.9
Mean Overall C/N	(dB)	9.1
Margin		
C/N objective	(dB)	4.5
C/N margin	(dB)	4.6