

General	Unit	
User terminal type	-	AERO-I C-084
Emission Designator	-	12K5G1D
Data rate (kbps)	(kbps)	8.4
Coding rate	-	0.5
Modulation	-	A-QPSK
Carrier bandwidth	(kHz)	6.72
Allocated bandwidth	(kHz)	12.5
Uplink		
Frequency	(GHz)	6.5
Earth Station EIRP	(dBW)	59.3
Antenna diameter	m	19.0
Antenna tx gain	dBi	59.2
Uplink power	(dBW)	0.1
Uplink p.s.d. avgd. in 4 kHz	(dBW/4kHz)	-2.2
Path loss	(dB)	200.9
Mean Atmospheric loss	(dB)	0.4
Satellite G/T	(dB/K)	-10.4
Up-path C/No	(dBHz)	76.2
Downlink		
Frequency	(GHz)	1.5
Satellite EIRP	(dBW)	24.9
Path loss	(dB)	188.4
Mean Atmospheric loss	(dB)	0.1
User terminal G/T	(dB/K)	-19.0
Down-path C/No	(dBHz)	46.0
Total		
Mean satellite C/IMo	(dBHz)	58.5
Co-Channel Interference	(dBHz)	64.0
Other system interference allocation	(dB)	1.0
Mean Overall C/No	(dBHz)	44.7
Mean Overall C/N	(dB)	6.4
Margin		
C/N objective	(dB)	2.9
C/N margin	(dB)	3.5