

General	Unit	
User terminal type	-	AERO-I C-084
Modulation ID / 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)	1.6
User terminal EIRP towards satellite	(dBW)	12.7
User terminal tx gain	(dBi)	6.0
Uplink power	(dBW)	6.7
Uplink p.s.d averaged in 4 kHz	(dBW/4kHz)	4.4
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)	54.4
Downlink		
Frequency	(GHz)	3.6
Satellite EIRP	(dBW)	-11.8
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)	55.3
Total		
Mean satellite C/IMo	(dBHz)	56.7
Co-Channel Interference	(dBHz)	75.4
Other system interference allocation	(dB)	1.0
Mean Overall C/No	(dBHz)	49.6
Mean Overall C/N	(dB)	11.3
Margin		
C/N objective	(dB)	2.9
C/N margin	(dB)	8.4