

General	Unit	
User terminal type	-	AERO-L P-012
Emission Designator	-	2K50G1D
Data rate (kbps)	(kbps)	1.2
Coding rate	-	0.5
Modulation	-	A-QPSK
Carrier bandwidth	(kHz)	1.5
Allocated bandwidth	(kHz)	2.5
Uplink		
Frequency	(GHz)	6.5
Earth Station EIRP	(dBW)	63.7
Antenna diameter	m	9.0
Antenna tx gain	dBi	54.0
Uplink power	(dBW)	9.7
Uplink p.s.d. avgd. in 4 kHz	(dBW/4kHz)	11.7
Path loss	(dB)	200.9
Mean Atmospheric loss	(dB)	0.4
Satellite G/T	(dB/K)	-10.4
Up-path C/No	(dBHz)	80.6
Downlink		
Frequency	(GHz)	1.5
Satellite EIRP	(dBW)	25.4
Path loss	(dB)	188.4
Mean Atmospheric loss	(dB)	0.1
User terminal G/T	(dB/K)	-26.0
Down-path C/No	(dBHz)	39.5
Total		
Mean satellite C/IMo	(dBHz)	57.9
Co-Channel Interference	(dBHz)	999.0
Other system interference allocation	(dB)	1.0
Mean Overall C/No	(dBHz)	38.4
Mean Overall C/N	(dB)	6.7
Margin		
C/N objective	(dB)	3.2
C/N margin	(dB)	3.5