

General	Unit	
User terminal type	-	AERO-I P-048
Emission Designator	-	5K00G1D
Data rate (kbps)	(kbps)	4.8
Coding rate	-	0.5
Modulation	-	A-QPSK
Carrier bandwidth	(kHz)	3
Allocated bandwidth	(kHz)	5
Uplink		
Frequency	(GHz)	6.5
Earth Station EIRP	(dBW)	60.8
Antenna diameter	m	19.0
Antenna tx gain	dBi	59.6
Uplink power	(dBW)	1.2
Uplink p.s.d. avgd. in 4 kHz	(dBW/4kHz)	1.2
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)	22.5
Path loss	(dB)	188.4
Mean Atmospheric loss	(dB)	0.1
User terminal G/T	(dB/K)	-19.0
Down-path C/No	(dBHz)	43.6
Total		
Mean satellite C/IMo	(dBHz)	55.0
Co-Channel Interference	(dBHz)	999.0
Other system interference allocation	(dB)	1.0
Mean Overall C/No	(dBHz)	42.3
Mean Overall C/N	(dB)	7.5
Margin		
C/N objective	(dB)	4.7
C/N margin	(dB)	2.8