

General	Unit	
User terminal type	-	AERO-H P-105
Emission Designator	-	7K50G1D
Data rate (kbps)	(kbps)	10.5
Coding rate	-	0.5
Modulation	-	A-QPSK
Carrier bandwidth	(kHz)	6.56
Allocated bandwidth	(kHz)	7.5
Uplink		
Frequency	(GHz)	6.5
Earth Station EIRP	(dBW)	54.6
Antenna diameter	m	19.0
Antenna tx gain	dBi	59.2
Uplink power	(dBW)	-4.6
Uplink p.s.d. avgd. in 4 kHz	(dBW/4kHz)	-6.8
Path loss	(dB)	200.9
Mean Atmospheric loss	(dB)	0.4
Satellite G/T	(dB/K)	-10.4
Up-path C/No	(dBHz)	71.5
Downlink		
Frequency	(GHz)	1.5
Satellite EIRP	(dBW)	19.9
Path loss	(dB)	188.4
Mean Atmospheric loss	(dB)	0.1
User terminal G/T	(dB/K)	-13.0
Down-path C/No	(dBHz)	47.0
Total		
Mean satellite C/IMo	(dBHz)	53.5
Co-Channel Interference	(dBHz)	61.8
Other system interference allocation	(dB)	1.0
Mean Overall C/No	(dBHz)	45.0
Mean Overall C/N	(dB)	6.8
Margin		
C/N objective	(dB)	5.0
C/N margin	(dB)	1.8