

General		
User terminal type	Unit	
	-	AERO-H P-105
Modulation ID / 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)	1.6
User terminal EIRP towards satellite	(dBW)	19.6
User terminal tx gain	(dBi)	12.0
Uplink power	(dBW)	7.6
Uplink p.s.d averaged in 4 kHz	(dBW/4kHz)	5.4
Path loss	(dB)	188.8
Mean Atmospheric loss	(dB)	0.1
Satellite G/T	(dB/K)	-10.0
Adjacent Channel Interference	(dB)	0.2
Up-path C/No	(dBHz)	49.1
Downlink		
Frequency	(GHz)	3.6
Satellite EIRP	(dBW)	-6.5
Path loss	(dB)	195.7
Mean Atmospheric loss	(dB)	0.4
Antenna diameter	m	9.0
Earth station G/T	(dB/K)	30.2
Random Loss	(dB)	1.0
Down-path C/No	(dBHz)	55.2
Total		
Mean satellite C/IMo	(dBHz)	62.0
Co-Channel Interference	(dBHz)	75.4
Other system interference allocation	(dB)	1.0
Mean Overall C/No	(dBHz)	47.0
Mean Overall C/N	(dB)	8.8
Margin		
C/N objective	(dB)	5.0
C/N margin	(dB)	3.8