

<b>General</b>	Unit	
User terminal type	-	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
<b>Uplink</b>		
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
<b>Downlink</b>		
Frequency	(GHz)	3.6
Satellite EIRP	(dBW)	-6.5
Path loss	(dB)	195.7
Mean Atmospheric loss	(dB)	0.4
Antenna diameter	m	19.0
Earth station G/T	(dB/K)	35.6
Random Loss	(dB)	1.0
Down-path C/No	(dBHz)	60.6
<b>Total</b>		
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)	47.6
Mean Overall C/N	(dB)	9.4
<b>Margin</b>		
C/N objective	(dB)	<b>5.0</b>
C/N margin	(dB)	4.4