

<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