

<b>General</b>		
User terminal type	Unit	
	-	SWIFT-64
Modulation ID / Designator	-	45K0G7D
Data rate (kbps)	(kbps)	64
Coding rate	-	0.5
Modulation	-	16 QAM
Carrier bandwidth	(kHz)	40
Allocated bandwidth	(kHz)	45
<b>Uplink</b>		
Frequency	(GHz)	1.6
User terminal EIRP towards satellite	(dBW)	24.7
User terminal tx gain	(dBi)	11.5
Uplink power	(dBW)	13.2
Uplink p.s.d averaged in 4 kHz	(dBW/4kHz)	3.2
Path loss	(dB)	188.8
Mean Atmospheric loss	(dB)	0.1
Satellite G/T	(dB/K)	2.2
Adjacent Channel Interference	(dB)	0.2
Up-path C/No	(dBHz)	66.4
<b>Downlink</b>		
Frequency	(GHz)	3.6
Satellite EIRP	(dBW)	1.3
Path loss	(dB)	195.7
Mean Atmospheric loss	(dB)	0.4
Earth station G/T	(dB/K)	35.6
Random Loss	(dB)	1.0
Down-path C/No	(dBHz)	68.4
<b>Total</b>		
Mean satellite C/IMo	(dBHz)	69.8
Co-Channel Interference	(dBHz)	75.4
Other system interference allocation	(dB)	1.0
Mean Overall C/No	(dBHz)	62.0
Mean Overall C/N	(dB)	15.9
<b>Margin</b>		
C/N objective	(dB)	7.7
C/N margin	(dB)	8.2