

<b>General</b>	Unit	
User terminal type	-	SWIFT-64
Emission 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)	6.5
Earth Station EIRP	(dBW)	65.5
Antenna diameter	m	19.0
Antenna tx gain	dBi	59.2
Uplink power	(dBW)	6.3
Uplink p.s.d. avgd. in 4 kHz	(dBW/4kHz)	-3.7
Path loss	(dB)	200.9
Mean Atmospheric loss	(dB)	0.4
Satellite G/T	(dB/K)	-10.4
Up-path C/No	(dBHz)	82.4
<b>Downlink</b>		
Frequency	(GHz)	1.5
Satellite EIRP	(dBW)	30.2
Path loss	(dB)	188.4
Mean Atmospheric loss	(dB)	0.1
User terminal G/T	(dB/K)	-13.0
Down-path C/No	(dBHz)	57.3
<b>Total</b>		
Mean satellite C/IMo	(dBHz)	63.8
Co-Channel Interference	(dBHz)	69.5
Other system interference allocation	(dB)	1.0
Mean Overall C/No	(dBHz)	55.2
Mean Overall C/N	(dB)	9.2
<b>Margin</b>		
C/N objective	(dB)	7.7
C/N margin	(dB)	1.5