

<b>Link Parameters</b>	<b>Units</b>	<b>36M0F3F</b>
Uplink frequency	GHz	6.18
Downlink frequency	GHz	3.95
Modulation		TV/FM
Carrier bandwidth	kHz	36000
<b>Uplink:</b>		
Nominal E/S e.i.r.p. per carrier	dBW	74.8
Earth station diameter	m	9.0
Earth station gain	dBi	53.5
Uplink input power per carrier	dBW	21.3
Uplink input power density	dBW/Hz	-41.7
Atmospheric loss	dB	0.1
Free space path loss	dB	200.2
G/T satellite (-3 dB contour)	dB/K	0.9
C/N thermal uplink	dB	28.4
C/I XPOL, ACI, ASI	dB	17.4
C/(N+I) uplink	dB	17.1
<b>Downlink:</b>		
Satellite e.i.r.p. per carrier (-3dB contour)	dBW	36.6
Atmospheric loss	dB	0.1
Free space path loss	dB	196.3
Earth station antenna pointing loss	dB	0.3
Earth station diameter	m	7.0
Earth station gain	dBi	47.4
Earth station G/T	dB/K	27.4
C/N thermal downlink	dB	20.4
C/I XPOL, ACI, IM, ASI	dB	17.7
C/(N+I) downlink	dB	13.6
<b>Overall:</b>		
C/(N+I) overall	dB	12.0
C/(N+I) required	dB	11
Margin	dB	1.0