

<b>Link Parameters</b>	<b>Units</b>	<b>36M0F9F</b>
Signal Bandwidth	MHz	36.0
Uplink frequency	GHz	6.2
Downlink frequency	GHz	4.0
E. D.	MHz	2.00
<b>Uplink:</b>		
Earth Station e.i.r.p.	dBW	72.0
Earth station diameter	m	9.0
Earth station gain	dB	53.5
Uplink input power	dBW	18.5
Atmospheric loss	dB	0.2
Free space path loss	dB	200.0
G/T satellite (-3dB contour)	dB/K	1.0
C/N thermal uplink	dB	25.8
C/I XPOL, ACI, IM, ASI	dB	20.4
C/(N+I) uplink	dB	19.3
<b>Downlink:</b>		
Satellite e.i.r.p. per carrier (-3dB contour)	dBW	40.8
Atmospheric loss	dB	0.1
Free space path loss	dB	196.2
Earth station diameter	m	4.5
Earth station gain	dB	43.7
Noise temperature	K	80.0
Earth station G/T	dB/K	24.6
C/N thermal downlink	dB	22.1
C/I XPOL, ACI, IM, ASI	dB	20.4
C/(N+I) downlink	dB	18.1
<b>Overall:</b>		
C/(N+I) overall	dB	15.7
C/(N+I) overall required	dB	12.0
Excess Margin	dB	3.7