

Link Parameters	Units	36M0F9F
Signal Bandwidth	MHz	36.0
Uplink frequency	GHz	6.2
Downlink frequency	GHz	4.0
E. D.	MHz	2.00
Uplink:		
Earth Station e.i.r.p.	dBW	78.0
Earth station diameter	m	9.0
Earth station gain	dBi	53.5
Uplink input power	dBW	24.5
Atmospheric loss	dB	0.2
Free space path loss	dB	200.0
G/T satellite (-3dB contour)	dB/K	3.8
C/N thermal uplink	dB	34.6
C/I XPOL, ACI, IM, ASI	dB	24.2
C/(N+I) uplink	dB	23.9
Other losses (dB)		0.0
C/(N+I) total uplink		23.9
Downlink:		
Satellite e.i.r.p. per carrier (-3dB contour)	dBW	37.6
Atmospheric loss	dB	0.1
Free space path loss	dB	196.2
Earth station diameter	m	7.0
Earth station gain	dBi	47.5
Noise temperature	K	80.0
Earth station G/T	dB/K	28.5
C/N thermal downlink	dB	22.8
C/I XPOL, ACI, IM, ASI	dB	21.0
C/(N+I) downlink	dB	18.8
Overall:		
C/(N+I) overall	dB	17.6
C/(N+I) overall required	dB	12.0
Excess Margin	dB	5.6