

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	71.4
Earth station diameter	m	9.0
Earth station gain	dB _i	53.5
Uplink input power	dBW	17.9
Atmospheric loss	dB	0.2
Free space path loss	dB	200.0
G/T satellite (-3dB contour)	dB/K	-1.3
C/N thermal uplink	dB	22.9
C/I XPOL, ACI, IM, ASI	dB	19.9
C/(N+I) uplink	dB	18.2
Downlink:		
Satellite e.i.r.p. per carrier (-3dB contour)	dBW	38.0
Atmospheric loss	dB	0.1
Free space path loss	dB	196.2
Earth station diameter	m	4.5
Earth station gain	dB _i	43.7
Noise temperature	K	80.0
Earth station G/T	dB/K	24.6
C/N thermal downlink	dB	19.4
C/I XPOL, ACI, IM, ASI	dB	18.1
C/(N+I) downlink	dB	15.6
Overall:		
C/(N+I) overall	dB	13.7
C/(N+I) overall required	dB	12.0
Excess Margin	dB	1.7