

Link Parameters	Units	36M0G7W
Uplink frequency	GHz	13.90
Downlink frequency	GHz	11.60
Carrier bandwidth	kHz	36000.0
Uplink:		
Nominal E/S e.i.r.p. per carrier	dBW	79.0
Earth station diameter	m	9.0
Earth station gain	dBi	60.5
Uplink input power per carrier	dBW	18.5
Atmospheric loss	dB	0.3
Free space path loss	dB	207.0
G/T satellite (-3dB contour)	dB/K	5.0
C/N thermal uplink	dB	29.7
C/I XPOL, ACI, IM, ASI	dB	25.0
C/(N+I) uplink	dB	23.7
Downlink:		
Satellite e.i.r.p. per carrier (-3dB contour)	dBW	48.0
Atmospheric loss	dB	0.2
Free space path loss	dB	205.4
Earth station diameter	m	2.4
Earth station gain	dBi	47.5
Noise temperature	K	110.0
Earth station G/T	dB/K	27.0
C/N thermal downlink	dB	22.4
C/I XPOL, ACI, IM, ASI	dB	21.4
C/(N+I) downlink	dB	16.9
Overall:		
C/(N+I) overall	dB	16.1
C/(N+I) required	dB	7.8
System Margin	dB	8.3