

Link Parameters	Units	36M0G7W
Uplink frequency	GHz	14.25
Downlink frequency	GHz	11.95
Occupied bandwidth	kHz	35998
Uplink:		
Nominal E/S e.i.r.p. per carrier	dBW	74.0
Earth station diameter	m	4.5
Earth station gain	dB _i	54.7
Uplink input power per carrier	dBW	19.3
Atmospheric loss	dB	0.3
Free space path loss	dB	207.2
G/T satellite (-3dB contour)	dB/K	8.5
C/N thermal uplink	dB	28.0
C/I XPOL, ACI, IM, ASI	dB	24.7
C/(N+I) uplink	dB	23.0
Downlink:		
Satellite e.i.r.p. per carrier (-3dB contour)	dBW	49.7
Atmospheric loss	dB	0.2
Free space path loss	dB	205.7
Earth station diameter	m	1.2
Earth station gain	dB _i	41.7
Noise temperature	K	110.0
Earth station G/T	dB/K	21.3
C/N thermal downlink	dB	18.1
C/I XPOL, ACI, IM, ASI	dB	19.9
C/(N+I) downlink	dB	14.5
Overall:		
C/(N+I) overall	dB	13.9
C/(N+I) required	dB	6.1
System Margin	dB	7.8