

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	76.8
Earth station diameter	m	4.5
Earth station gain	dBi	54.7
Uplink input power per carrier	dBW	22.1
Atmospheric loss	dB	0.3
Free space path loss	dB	207.2
G/T satellite (-3dB contour)	dB/K	0.2
C/N thermal uplink	dB	22.5
C/I XPOL, ACI, IM, ASI	dB	25.6
C/(N+I) uplink	dB	20.8
Downlink:		
Satellite e.i.r.p. per carrier (-3dB contour)	dBW	47.9
Atmospheric loss	dB	0.2
Free space path loss	dB	205.7
Earth station diameter	m	1.2
Earth station gain	dBi	41.7
Earth station G/T	dB/K	21.3
C/N thermal downlink	dB	16.3
C/I XPOL, ACI, IM, ASI	dB	18.4
C/(N+I) downlink	dB	12.8
Overall:		
C/(N+I) overall	dB	12.2
C/(N+I) required	dB	6.1
System Margin	dB	6.1