Link Parameters	Units	146KG7W
Uplink frequency	GHz	6.20
Downlink frequency	GHz	4.00
Occupied bandwidth	kHz	145.9
Uplink:		
Nominal E/S e.i.r.p. per carrier	dBW	43.0
Earth station diameter	m	4.5
Earth station gain	dBi	47.5
Uplink input power per carrier	dBW	-4.5
Atmospheric loss	dB	0.2
Free space path loss	dB	200.0
G/T satellite (-3dB contour)	dB/K	1.0
C/N thermal uplink	dB	20.8
C/I XPOL, ACI, IM, ASI	dB	15.5
C/(N+I) uplink	dB	14.4
Downlink:		
Satellite e.i.r.p. per carrier (-3dB contour)	dBW	14.6
Atmospheric loss	dB	0.1
Free space path loss	dB	196.2
Earth station diameter	m	4.5
Earth station gain	dBi	43.7
Earth station G/T	dB/K	24.6
C/N thermal downlink	dB	19.9
C/I XPOL, ACI, IM, ASI	dB	16.2
C/(N+I) downlink	dB	13.2
Overall:		
C/(N+I) overall	dB	10.7
C/(N+I) required	dB	5.9
System Margin	dB	4.8