

<b>Link Parameters</b>	<b>Units</b>	<b>146KG7W</b>
Uplink frequency	GHz	14.25
Downlink frequency	GHz	11.95
Occupied bandwidth	kHz	145.9
<b>Uplink:</b>		
Nominal E/S e.i.r.p. per carrier	dBW	41.7
Earth station diameter	m	1.2
Earth station gain	dBi	43.2
Uplink input power per carrier	dBW	-1.5
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	11.3
C/I XPOL, ACI, IM, ASI	dB	18.3
C/(N+I) uplink	dB	10.5
<b>Downlink:</b>		
Satellite e.i.r.p. per carrier (-3dB contour)	dBW	22.2
Atmospheric loss	dB	0.2
Free space path loss	dB	205.7
Earth station diameter	m	4.5
Earth station gain	dBi	53.2
Earth station G/T	dB/K	32.8
C/N thermal downlink	dB	26.0
C/I XPOL, ACI, IM, ASI	dB	18.8
C/(N+I) downlink	dB	17.2
<b>Overall:</b>		
C/(N+I) overall	dB	9.7
C/(N+I) required	dB	5.9
System Margin	dB	3.8