

Link Parameters	Units	17M9G7W
Uplink frequency	GHz	14.25
Downlink frequency	GHz	11.95
Carrier bandwidth	kHz	17900.0
Uplink:		
Nominal E/S e.i.r.p. per carrier	dBW	74.6
Earth station diameter	m	6.0
Earth station gain	dBi	57.2
Uplink input power per carrier	dBW	17.4
Atmospheric loss	dB	0.3
Free space path loss	dB	207.2
G/T satellite (-3dB contour)	dB/K	1.0
C/N thermal uplink	dB	24.1
C/I XPOL, ACI, IM, ASI	dB	23.3
C/(N+I) uplink	dB	20.7
Downlink:		
Satellite e.i.r.p. per carrier (-3dB contour)	dBW	43.5
Atmospheric loss	dB	0.2
Free space path loss	dB	205.7
Earth station diameter	m	7.5
Earth station gain	dBi	57.6
Noise temperature	K	175.0
Earth station G/T	dB/K	35.2
C/N thermal downlink	dB	28.9
C/I XPOL, ACI, IM, ASI	dB	24.3
C/(N+I) downlink	dB	21.1
Overall:		
C/(N+I) overall	dB	17.9
C/(N+I) required	dB	12.4
System Margin	dB	5.5