

Link Parameters	Units	5M56G7W
Uplink frequency	GHz	6.20
Downlink frequency	GHz	4.00
Occupied bandwidth	kHz	5563.2
Uplink:		
Nominal E/S e.i.r.p. per carrier	dBW	62.5
Earth station diameter	m	4.5
Earth station gain	dBi	47.5
Uplink input power per carrier	dBW	15.0
Atmospheric loss	dB	0.2
Free space path loss	dB	200.0
G/T satellite (-3dB contour)	dB/K	2.8
C/N thermal uplink	dB	26.2
C/I XPOL, ACI, IM, ASI	dB	18.3
C/(N+I) uplink	dB	17.6
Downlink:		
Satellite e.i.r.p. per carrier (-3dB contour)	dBW	29.7
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	19.1
C/I XPOL, ACI, IM, ASI	dB	16.9
C/(N+I) downlink	dB	13.1
Overall:		
C/(N+I) overall	dB	11.8
C/(N+I) required	dB	8.2
System Margin	dB	3.6