

GL_GL 1M84G7W

Link Parameters	Units	1M84G7W
Uplink Frequency	GHz	6.24
Downlink Frequency	GHz	4.01
Carrier Bandwidth	kHz	1840.0
Uplink:		
Nominal E/S e.i.r.p. per carrier	dBW	60.2
Earth Station Diameter	m	11.0
Earth Station Gain	dB _i	55.3
Uplink Input Power per Carrier	dBW	4.9
Free Space Loss	dB	200.3
G/T Satellite	dB/K	-8.0
C/N Thermal Uplink	dB	17.9
C/I XPOL, ACI, IM, ASI	dB	21.2
C/(N+I) uplink	dB	16.2
Downlink:		
Satellite e.i.r.p. per carrier (-3dB contour)	dBW	22.2
Free Space Loss	dB	196.7
Earth Station Diameter	m	3.8
Earth Station Gain	dB _i	42.3
Noise Temperature	kHz	95.0
Earth Station G/T	dB/K	22.5
C/N Thermal Downlink	dB	14.0
C/I XPOL, ACI, IM, ASI	dB	17.9
C/(N+I) downlink	dB	12.5
Overall:		
C/(N+I) overall	dB	11.0
C/(N+I) required	dB	9.3
System Margin	dB	1.7