

GL_GL 8M25G7W

Link Parameters	Units	8M25G7W
Uplink Frequency	GHz	6.24
Downlink Frequency	GHz	4.01
Carrier Bandwidth	kHz	8250.0
Uplink:		
Nominal E/S e.i.r.p. per carrier	dBW	64.2
Earth Station Diameter	m	7.2
Earth Station Gain	dB _i	51.5
Uplink Input Power per Carrier	dBW	12.7
Free Space Loss	dB	200.3
G/T Satellite	dB/K	-8.0
C/N Thermal Uplink	dB	15.3
C/I XPOL, ACI, IM, ASI	dB	18.7
C/(N+I) uplink	dB	13.7
Downlink:		
Satellite e.i.r.p. per carrier (-3dB contour)	dBW	26.2
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	11.5
C/I XPOL, ACI, IM, ASI	dB	15.4
C/(N+I) downlink	dB	10.0
Overall:		
C/(N+I) overall	dB	8.4
C/(N+I) required	dB	6.9
System Margin	dB	1.5