

GL_GL 36M0G7W

Link Parameters	Units	36M0G7W
Uplink Frequency	GHz	6.24
Downlink Frequency	GHz	4.01
Carrier Bandwidth	kHz	36000.0
Uplink:		
Nominal E/S e.i.r.p. per carrier	dBW	76.4
Earth Station Diameter	m	13.0
Earth Station Gain	dB _i	56.7
Uplink Input Power per Carrier	dBW	19.7
Free Space Loss	dB	200.3
G/T Satellite	dB/K	-8.0
C/N Thermal Uplink	dB	21.1
C/I XPOL, ACI, IM, ASI	dB	24.5
C/(N+I) uplink	dB	19.5
Downlink:		
Satellite e.i.r.p. per carrier (-3dB contour)	dBW	32.5
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	11.4
C/I XPOL, ACI, IM, ASI	dB	15.3
C/(N+I) downlink	dB	9.9
Overall:		
C/(N+I) overall	dB	9.4
C/(N+I) required	dB	6.9
System Margin	dB	2.5