

GL_GL 461KG7W

Link Parameters	Units	461KG7W
Uplink Frequency	GHz	6.24
Downlink Frequency	GHz	4.01
Carrier Bandwidth	kHz	461.0
Uplink:		
Nominal E/S e.i.r.p. per carrier	dBW	50.9
Earth Station Diameter	m	4.5
Earth Station Gain	dB _i	47.4
Uplink Input Power per Carrier	dBW	3.5
Free Space Loss	dB	200.3
G/T Satellite	dB/K	-8.0
C/N Thermal Uplink	dB	14.6
C/I XPOL, ACI, IM, ASI	dB	17.9
C/(N+I) uplink	dB	12.9
Downlink:		
Satellite e.i.r.p. per carrier (-3dB contour)	dBW	13.0
Free Space Loss	dB	196.7
Earth Station Diameter	m	6.3
Earth Station Gain	dB _i	46.9
Noise Temperature	kHz	95.0
Earth Station G/T	dB/K	27.1
C/N Thermal Downlink	dB	15.4
C/I XPOL, ACI, IM, ASI	dB	19.3
C/(N+I) downlink	dB	13.9
Overall:		
C/(N+I) overall	dB	10.4
C/(N+I) required	dB	9.3
System Margin	dB	1.1