

WH_WH 1M84G7W

Link Parameters	Units	1M84G7W
Uplink Frequency	GHz	5.97
Downlink Frequency	GHz	3.75
Carrier Bandwidth	kHz	1840.0
Uplink:		
Nominal E/S e.i.r.p. per carrier	dBW	56.0
Earth Station Diameter	m	9.0
Earth Station Gain	dBi	53.1
Uplink Input Power per Carrier	dBW	2.9
Free Space Loss	dB	199.7
G/T Satellite	dB/K	-3.0
C/N Thermal Uplink	dB	19.3
C/I XPOL, ACI, IM, ASI	dB	17.0
C/(N+I) uplink	dB	15.0
Downlink:		
Satellite e.i.r.p. per carrier (-2dB contour)	dBW	22.3
Free Space Loss	dB	196.1
Earth Station Diameter	m	3.8
Earth Station Gain	dBi	42.3
Noise Temperature	kHz	95.0
Earth Station G/T	dB/K	22.5
C/N Thermal Downlink	dB	14.7
C/I XPOL, ACI, IM, ASI	dB	18.0
C/(N+I) downlink	dB	13.0
Overall:		
C/(N+I) overall	dB	10.9
C/(N+I) required	dB	9.3
System Margin	dB	1.6