

## EH\_WH 1M84G7W

Link Parameters	Units	1M84G7W
Uplink Frequency	GHz	5.97
Downlink Frequency	GHz	3.75
Carrier Bandwidth	kHz	1840.0
<b>Uplink:</b>		
Nominal E/S e.i.r.p. per carrier	dBW	55.7
Earth Station Diameter	m	9.0
Earth Station Gain	dBi	53.1
Uplink Input Power per Carrier	dBW	2.6
Free Space Loss	dB	199.9
G/T Satellite	dB/K	-2.0
C/N Thermal Uplink	dB	19.8
C/I XPOL, ACI, IM, ASI	dB	16.7
C/(N+I) uplink	dB	15.0
<b>Downlink:</b>		
Satellite e.i.r.p. per carrier (-2.5dB contour)	dBW	22.2
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	14.6
C/I XPOL, ACI, IM, ASI	dB	17.9
C/(N+I) downlink	dB	12.9
<b>Overall:</b>		
C/(N+I) overall	dB	10.8
C/(N+I) required	dB	9.3
System Margin	dB	1.5