

## EH\_WH 416KG7W

<b>Link Parameters</b>	<b>Units</b>	<b>416KG7W</b>
Uplink Frequency	GHz	5.97
Downlink Frequency	GHz	3.75
Carrier Bandwidth	kHz	416.0
<b>Uplink:</b>		
Nominal E/S e.i.r.p. per carrier	dBW	48.5
Earth Station Diameter	m	7.2
Earth Station Gain	dBi	51.2
Uplink Input Power per Carrier	dBW	-2.7
Free Space Loss	dB	199.9
G/T Satellite	dB/K	-2.0
C/N Thermal Uplink	dB	19.0
C/I XPOL, ACI, IM, ASI	dB	16.0
C/(N+I) uplink	dB	14.2
<b>Downlink:</b>		
Satellite e.i.r.p. per carrier (-2.5dB contour)	dBW	15.0
Free Space Loss	dB	196.1
Earth Station Diameter	m	4.5
Earth Station Gain	dBi	43.8
Noise Temperature	kHz	95.0
Earth Station G/T	dB/K	24.0
C/N Thermal Downlink	dB	15.3
C/I XPOL, ACI, IM, ASI	dB	18.7
C/(N+I) downlink	dB	13.7
<b>Overall:</b>		
C/(N+I) overall	dB	10.9
C/(N+I) required	dB	9.3
System Margin	dB	1.6