

WH_WH 416KG7W

Link Parameters	Units	416KG7W
Uplink Frequency	GHz	5.97
Downlink Frequency	GHz	3.75
Carrier Bandwidth	kHz	416.0
Uplink:		
Nominal E/S e.i.r.p. per carrier	dBW	47.6
Earth Station Diameter	m	7.2
Earth Station Gain	dBi	51.2
Uplink Input Power per Carrier	dBW	-3.6
Free Space Loss	dB	199.7
G/T Satellite	dB/K	-2.0
C/N Thermal Uplink	dB	18.3
C/I XPOL, ACI, IM, ASI	dB	15.1
C/(N+I) uplink	dB	13.4
Downlink:		
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
Overall:		
C/(N+I) overall	dB	10.5
C/(N+I) required	dB	9.3
System Margin	dB	1.2