

EH_EH 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	199.9
G/T Satellite	dB/K	-2.0
C/N Thermal Uplink	dB	18.1
C/I XPOL, ACI, IM, ASI	dB	15.1
C/(N+I) uplink	dB	13.3
Downlink:		
Satellite e.i.r.p. per carrier (-2.5dB contour)	dBW	15.1
Free Space Loss	dB	195.9
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	15.6
C/I XPOL, ACI, IM, ASI	dB	18.8
C/(N+I) downlink	dB	13.9
Overall:		
C/(N+I) overall	dB	10.6
C/(N+I) required	dB	9.3
System Margin	dB	1.3