

EH_EH 72M0G7W

Link Parameters	Units	72M0G7W
Uplink Frequency	GHz	5.97
Downlink Frequency	GHz	3.75
Carrier Bandwidth	kHz	72000.0
Uplink:		
Nominal E/S e.i.r.p. per carrier	dBW	78.0
Earth Station Diameter	m	13.0
Earth Station Gain	dBi	56.3
Uplink Input Power per Carrier	dBW	21.7
Free Space Loss	dB	199.9
G/T Satellite	dB/K	-2.0
C/N Thermal Uplink	dB	26.1
C/I XPOL, ACI, IM, ASI	dB	23.1
C/(N+I) uplink	dB	21.3
Downlink:		
Satellite e.i.r.p. per carrier (-2dB contour)	dBW	39.0
Free Space Loss	dB	195.9
Earth Station Diameter	m	5.6
Earth Station Gain	dBi	45.9
Noise Temperature	kHz	95.0
Earth Station G/T	dB/K	26.1
C/N Thermal Downlink	dB	19.2
C/I XPOL, ACI, IM, ASI	dB	22.4
C/(N+I) downlink	dB	17.5
Overall:		
C/(N+I) overall	dB	16.0
C/(N+I) required	dB	12.7
System Margin	dB	3.3