

EH_WH 8M25G7W

Link Parameters	Units	8M25G7W
Uplink Frequency	GHz	5.97
Downlink Frequency	GHz	3.75
Carrier Bandwidth	kHz	8250.0
Uplink:		
Nominal E/S e.i.r.p. per carrier	dBW	60.1
Earth Station Diameter	m	4.5
Earth Station Gain	dBi	47.1
Uplink Input Power per Carrier	dBW	13.0
Free Space Loss	dB	199.9
G/T Satellite	dB/K	-2.0
C/N Thermal Uplink	dB	17.6
C/I XPOL, ACI, IM, ASI	dB	14.6
C/(N+I) uplink	dB	12.8
Downlink:		
Satellite e.i.r.p. per carrier (-3dB contour)	dBW	26.1
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	12.0
C/I XPOL, ACI, IM, ASI	dB	15.3
C/(N+I) downlink	dB	10.3
Overall:		
C/(N+I) overall	dB	8.4
C/(N+I) required	dB	6.9
System Margin	dB	1.5