

WH\_WH 346KG7W

Link Parameters	Units	346KG7W
Uplink Frequency	GHz	5.97
Downlink Frequency	GHz	3.75
Carrier Bandwidth	kHz	364.0
<b>Uplink:</b>		
Nominal E/S e.i.r.p. per carrier	dBW	46.1
Earth Station Diameter	m	4.5
Earth Station Gain	dB <sub>i</sub>	47.1
Uplink Input Power per Carrier	dBW	-1.0
Free Space Loss	dB	199.7
G/T Satellite	dB/K	-3.0
C/N Thermal Uplink	dB	16.4
C/I XPOL, ACI, IM, ASI	dB	14.1
C/(N+I) uplink	dB	12.1
<b>Downlink:</b>		
Satellite e.i.r.p. per carrier (-3dB contour)	dBW	11.4
Free Space Loss	dB	196.1
Earth Station Diameter	m	3.8
Earth Station Gain	dB <sub>i</sub>	42.3
Noise Temperature	kHz	95.0
Earth Station G/T	dB/K	22.5
C/N Thermal Downlink	dB	10.8
C/I XPOL, ACI, IM, ASI	dB	14.1
C/(N+I) downlink	dB	9.2
<b>Overall:</b>		
C/(N+I) overall	dB	7.4
C/(N+I) required	dB	6.0
System Margin	dB	1.4