

Link Parameters	36M0G7W
Uplink frequency	25.0
Downlink frequency	17.5
User data rate	14820.0
Modulation	QPSK
Total coding rate	0.247
Number of carriers per TXP	6
Carrier bandwidth	36000
Uplink:	
Nominal E/S e.i.r.p. per carrier	70.9
Earth station diameter	3.5
Earth station gain	57.4
Uplink input power per carrier	13.5
Uplink input power density	-61.5
Atmospheric loss	0.4
Free space path loss	211.9
G/T satellite	-8.0
C/N thermal uplink	4.4
C/I ASI	36.3
C/(N+I) uplink	4.4
Downlink:	
Satellite e.i.r.p. per carrier	23.1
Atmospheric loss	0.2
Free space path loss	208.7
Earth station mis-pointing loss	0.3
Earth station diameter	6.3
Earth station gain	59.4
Noise temperature	150.0
Earth station G/T	37.6
C/N thermal downlink	5.3
C/I XPOL, IM, ASI	9.1
C/(N+I) downlink	3.8
Overall:	
C/(N+I) overall	1.1
C/(N+I) required	-2.0
Margin	3.1