

General	Unit	
User terminal type	-	AFC
Modulation ID / Designator	-	100KN0N
Data rate (kbps)	(kbps)	n/a
Coding rate	-	n/a
Modulation	-	n/a
Carrier bandwidth	(kHz)	1
Allocated bandwidth	(kHz)	100
Uplink		
Frequency	(GHz)	1.6
User terminal EIRP towards satellite	(dBW)	41.0
User terminal tx gain	(dBi)	38.4
Uplink power	(dBW)	2.6
Uplink p.s.d averaged in 4 kHz	(dBW/4kHz)	2.6
Path loss	(dB)	188.8
Mean Atmospheric loss	(dB)	0.1
Satellite G/T	(dB/K)	-10.0
Adjacent Channel Interference	(dB)	0.2
Up-path C/No	(dBHz)	70.5
Downlink		
Frequency	(GHz)	3.6
Satellite EIRP	(dBW)	-9.0
Path loss	(dB)	195.7
Mean Atmospheric loss	(dB)	0.4
Antenna diameter	m	16.0
Earth station G/T	(dB/K)	30.2
Random Loss	(dB)	1.0
Down-path C/No	(dBHz)	52.7
Total		
Mean satellite C/IMo	(dBHz)	59.5
Co-Channel Interference	(dBHz)	75.4
Other system interference allocation	(dB)	1.0
Mean Overall C/No	(dBHz)	50.8
Mean Overall C/N	(dB)	20.8
Margin		
C/N objective	(dB)	15.0
C/N margin	(dB)	5.8