

<b>General</b>	Unit	
User terminal type	-	INM-B
Modulation ID / Designator	-	20K0G1E
Data rate (kbps)	(kbps)	12
Coding rate	-	0.5
Modulation	-	O-QPSK
Carrier bandwidth	(kHz)	15
Allocated bandwidth	(kHz)	20
<b>Uplink</b>		
Frequency	(GHz)	1.6
User terminal EIRP towards satellite	(dBW)	30.0
User terminal tx gain	(dBi)	21.0
Uplink power	(dBW)	9.0
Uplink p.s.d averaged in 4 kHz	(dBW/4kHz)	3.2
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)	59.5
<b>Downlink</b>		
Frequency	(GHz)	3.6
Satellite EIRP	(dBW)	-8.4
Path loss	(dB)	195.7
Mean Atmospheric loss	(dB)	0.4
Antenna diameter	m	19.0
Earth station G/T	(dB/K)	35.6
Random Loss	(dB)	1.0
Down-path C/No	(dBHz)	58.7
<b>Total</b>		
Mean satellite C/IMo	(dBHz)	60.1
Co-Channel Interference	(dBHz)	75.4
Other system interference allocation	(dB)	1.0
Mean Overall C/No	(dBHz)	53.6
Mean Overall C/N	(dB)	11.8
<b>Margin</b>		
C/N objective	(dB)	5.1
C/N margin	(dB)	6.7