

<b>General</b>	Unit	
User terminal type	-	INM-B
Emission Designator	-	100KG1X
Data rate (kbps)	(kbps)	64
Coding rate	-	0.5
Modulation	-	O-QPSK
Carrier bandwidth	(kHz)	80
Allocated bandwidth	(kHz)	100
<b>Uplink</b>		
Frequency	(GHz)	6.5
Earth Station EIRP	(dBW)	58.8
Antenna diameter	m	9.0
Antenna tx gain	dBi	54.0
Uplink power	(dBW)	4.8
Uplink p.s.d. avgd. in 4 kHz	(dBW/4kHz)	-8.2
Path loss	(dB)	200.9
Mean Atmospheric loss	(dB)	0.4
Satellite G/T	(dB/K)	-10.4
Up-path C/No	(dBHz)	75.7
<b>Downlink</b>		
Frequency	(GHz)	1.5
Satellite EIRP	(dBW)	22.5
Path loss	(dB)	188.4
Mean Atmospheric loss	(dB)	0.1
User terminal G/T	(dB/K)	-4.0
Down-path C/No	(dBHz)	58.6
<b>Total</b>		
Mean satellite C/IMo	(dBHz)	59.0
Co-Channel Interference	(dBHz)	999.0
Other system interference allocation	(dB)	1.0
Mean Overall C/No	(dBHz)	54.7
Mean Overall C/N	(dB)	5.7
<b>Margin</b>		
C/N objective	(dB)	5.0
C/N margin	(dB)	0.7