

General	Unit	
User terminal type	-	INM-D+
Modulation ID / Designator	-	2K50F1D
Data rate (kbps)	(kbps)	0.064
Coding rate	-	0.5
Modulation	-	2-FSK
Carrier bandwidth	(kHz)	0.25
Allocated bandwidth	(kHz)	2.5
Uplink		
Frequency	(GHz)	1.6
User terminal EIRP towards satellite	(dBW)	2.6
User terminal tx gain	(dBi)	3.5
Uplink power	(dBW)	-0.9
Uplink p.s.d averaged in 4 kHz	(dBW/4kHz)	1.1
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)	32.1
Downlink		
Frequency	(GHz)	3.6
Satellite EIRP	(dBW)	-30.2
Path loss	(dB)	195.7
Mean Atmospheric loss	(dB)	0.4
Antenna diameter	m	9.0
Earth station G/T	(dB/K)	30.2
Random Loss	(dB)	1.0
Down-path C/No	(dBHz)	31.5
Total		
Mean satellite C/IMo	(dBHz)	38.3
Co-Channel Interference	(dBHz)	75.4
Other system interference allocation	(dB)	1.0
Mean Overall C/No	(dBHz)	27.3
Mean Overall C/N	(dB)	3.3
Margin		
C/N objective	(dB)	-3.7
C/N margin	(dB)	7.0