

General	Unit	
User terminal type	-	MINI-M (Transportable)
Emission Designator	-	7K50G1E
Data rate (kbps)	(kbps)	2.8
Coding rate	-	0.5
Modulation	-	O-QPSK
Carrier bandwidth	(kHz)	3.5
Allocated bandwidth	(kHz)	7.5
Uplink		
Frequency	(GHz)	6.5
Earth Station EIRP	(dBW)	59.5
Antenna diameter	m	19.0
Antenna tx gain	dBi	59.2
Uplink power	(dBW)	0.3
Uplink p.s.d. avgd. in 4 kHz	(dBW/4kHz)	0.3
Path loss	(dB)	200.9
Mean Atmospheric loss	(dB)	0.4
Satellite G/T	(dB/K)	-10.4
Up-path C/No	(dBHz)	76.4
Downlink		
Frequency	(GHz)	1.5
Satellite EIRP	(dBW)	24.2
Path loss	(dB)	188.4
Mean Atmospheric loss	(dB)	0.1
User terminal G/T	(dB/K)	-17.0
Down-path C/No	(dBHz)	47.3
Total		
Mean satellite C/IMo	(dBHz)	57.8
Co-Channel Interference	(dBHz)	61.8
Other system interference allocation	(dB)	1.0
Mean Overall C/No	(dBHz)	45.8
Mean Overall C/N	(dB)	10.3
Margin		
C/N objective	(dB)	5.4
C/N margin	(dB)	4.9