

Parameter	Typical TV/FM link
Carrier designation	36M0F3F
Uplinks:	
Transmit Power (dBW)	22
Transmit Loss (dB)	-1
Antenna diameter	6.1
Antenna Gain (dBi)	57.2
Ground Station EIRP (dBW)	78.2
Uplink Rain Loss (dB)	-2
Free Space Loss (dB)	-207.5
Satellite G/T (dB/K)	0.5
Data Rate (dB-Hz)	76
Boltzmann's Constant (dBW/K-Hz)	-228.6
C/N, uplink(dB)	22.2
Downlinks:	
Satellite Carrier EIRP (dBW)	49.4
Downlink Rain Loss (dB)	-3
Free Space Loss (dB)	-206.3
Ground station antenna dia, m	1.2
Ground Station G/T (dB/K)	19.6
C/N, DL (dB)	12.7
C/I ASI (dB)	18.0
C/Ntot, dB	11.2
Required(dB)	11
Margin(dB)	0.2