

## SPECIFICATIONS

Satmex 5	C - Band 36 MHz	Ku - Band 36 MHz
EIRP (dBW) at edge of coverage	39	Ku 1: 49.0 Ku 2: 46.0
G/T (dB/°K) at edge of coverage	-2	Ku 1: 0 Ku 2: -1.5
Saturation flux density (dBW/m <sup>2</sup> )	-93	Ku 1: -93 Ku 2: -95
Number of transponders	24	24
Redundancy	30 TWTAs for 24 channels	32 TWTAs for 24 channels
Input attenuator range	0 to 15 dB, 1 dB steps	0 to 20 dB, 1 dB steps
Start of operations	January 1999	
Expected operational life	Greater than 15 years	

## SPACE SEGMENT PARAMETERS

Satmex 5	C - Band	Ku - Band	
		Ku-1 NAFTA	Ku-2 Continental
<b>EIRP (dBW)</b>			
Washington D.C.	39.7	52.2	47.3
San Francisco	40.0	51.8	48.2
Miami	41.0	50.1	47.9
San Juan	39.9		47.2
Mexico City	40.8	51.5	47.7
Tegucigalpa	40.5	48.0	48.0
Caracas	40.1		47.1
Lima	40.0		47.8
Buenos Aires	40.7		48.0
Sao Paulo	39.0		47.1
<b>G/T (dBW/K)</b>			
Washington D.C.	-2.0	+4.7	+1.3
San Francisco	-1.5	+2.0	+2.4
Miami	+1.9	+2.6	+1.1
San Juan	-1.3		+1.9
Mexico City	+0.5	+4.2	+3.6
Tegucigalpa	+2.3	-4.5	+2.6
Caracas	-0.1		+1.3
Lima	-0.7		+2.7

Buenos Aires	-1.0	+1.3
Sao Paulo	-2.8	+1.5

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