

SATELITES GEOESTACIONARIOS				
REPRESENTANTES	SATELITES	POSICION ORBITAL	BANDA	FRECUENCIAS
SOLUCIONES SATELITALES S.A.- ARSAT	ARSAT-1	71.8° L.O.	Ku	up1: 13.75-14.50 GHz, dwn1: 11.45-12.20 GHz
	ARSAT-2	81° L.O.	C	up1: 5925-6425 MHz, dwn1: 3700-4200 MHz
			Ku	up1: 13.75-14.50 GHz, dwn1 : 11.45-12.20 GHz
TELESAT CANADA	ANIK F1	107.3° L.O.	Ku	up1: 14.0-14.5 GHz, dwn1: 11.7-12.20 GHz
	ANIK G1	107.3° L.O.	C	up1: 5925-6425 MHz, dwn1: 3700-4200 MHz
			Ku	up1: 14.0-14.5 GHz, dwn1 : 11.7-12.7 GHz
	TELSTAR 12	15° L.O.	Ku	up1: 14.0-14.50 GHz, dwn1: 11.70-12.20 GHz
	TELSTAR 12 VANTAGE	15° L.O.	Ku	up1: 13.75-14.50 GHz , dwn1: 10.95-11.20 GHz, dwn2: 11.70-12.20 GHz
	TELSTAR 14R ESTRELA DO SUL 2	63° L.O.	Ku	up1: 13.75-14.50 GHz, dwn1: 11.45.12.20 GHz
INMARSAT GLOBAL LIMITED	INMARSAT-3 F5 (I3-F5)	54° L.O.	L	1660.5 MHz dwn1: 1525-
	INMARSAT-4 F3 (I4-F3)	98° L.O.	L	up1: 1626.5-1660.5 MHz dwn1: 1525-1559 MHz
	INMARSAT-5 F2 (I5-F2)	55° L.O.	Ka	up1: 27.5- 30 GHz, dwn1: 17.7-20.2 GHz
		45° L.O.	C	up1: 5925-6425 MHz, dwn1: 3700-4200 MHz
			Ku	up1: 14.0-14.50 GHz, dwn1: 11.45-11.95 GHz
	INTELSAT 14 (IS-14)	58° L.O.	C	up1: 5925-6425 MHz, dwn1: 3700-4200 MHz
			Ku	up1: 14.0-14.50 GHz, dwn1: 11.45-11.70 GHz, dwn2: 11.70-12.20 GHz
	INTELSAT 21 (IS-21)	53° L.O.	C	up1: 5925-6425 MHz, dwn1: 3700-4200 MHz
			Ku	up1: 14.0-14.50 GHz, dwn1: 11.45-12.20 GHz
	INTELSAT 23 (IS-23)		C	up1: 5850-6425 MHz, dwn1: 3625-4200 MHz

SATELITES NO GEOESTACIONARIOS				
REPRESENTANTES	SATELITES	RED SATELITAL	BANDA	FRECUENCIAS
KUIPER SYSTEMS LLC.	KUIPER SYSTEM	Más de 3000 satélites de órbita baja, con altitudes de 590, 610 y 630 km.	Ka	up1: 27,5 - 28,6 up2: 28,6 - 29,1 up3 29,1 - 29,5 up4 29,5 - 30,0
				dwn1:17,7 - 17,8 dwn2: 17,8 - 18,6 dwn3: 18,8 - 19,3 dwn4: 19,3 - 19,7 dwn5: 19,7- 20,2
STARLINK (SPACE CORPORATION)	STEAM CONSTELATION	Mas de 5000 Satelites desplegados a 550 Km en Órbita baja (LEO)	Ku	up1: 14,0- 14,50 GHz
				dwn1: 10,07 - 12,70 GHz
			UHF	Up: 608,0 - 614,0 MHz
			L	Up: 1.610,0 - 1.626,5 Mhz 1.626,5 - 1.645,5 Mhz 1.646,5 - 1.660,5 MHz 1.668,0 - 1.675,0 Mhz
				dwn 1: 1.518,0 - 1.544,0 MHz dwn 2:1.545,0 - 1.559,0 Mhz
			S	dwn: 2.483,5 - 2.500,0 Mhz
SATELIO IOT SERVICES S.L.	SATELIOT	491 satélites de órbita baja, distribuidos en 20 planos orbitales, con altitudes entre 525 y 550 km.	S	up1: 1980-2010 MHz
				dwn1: 2170-2200 MHz

	INTELSAT 10-02 (IS-10-02)	1° L.O.	Ku	up1: 13.75-14.0 GHz, up2: 14.0-14.50 GHz, dwn1: 10.95-11.20 GHz, dwn2: 11.45-11.70 GHz, dwn3: 12.50-12.75 GHz
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INTELSAT SATELLITE LLC	GALAXY 3C (G-3C)	95° L.O.	C	6425 MHz, dwn1: 3700-
			Ku	up1: 14.0-14.50 GHz, dwn1: 11.70-12.20 GHz
	GALAXY 28(G-28)	88.7° L.O.	C	up1: 5925-6425 MHz, dwn1: 3700-4200 MHz
			Ku	up1: 14.0-14.50 GHz, dwn1: 11.70-12.20 GHz
	INTELSAT 30 (IS-30)	95.05° L.O.	C	up1:6425-6725 MHz, dwn1: 3400-3700 MHz
			Ku	up1: 13.75-14.50 GHz, dwn1: 10.95-11.20 GHz, dwn2: 11.45-11.70 GHz, dwn3: 11.70-12.20 GHz
	INTELSAT 31 (IS-31)	95.05° L.O.	C	up1: 6425-6725 MHz, dwn1: 3400-3700;Hz
			Ku	up1: 13.75-14.50 GHz, dwn1: 10.95-11.20 GHz, dwn2: 11.45-11.70 GHz, dwn3: 11.70-12.20 GHz
	INTELSAT 34 (IS-34)	55.5° L.O.	C	up1: 5925-6425 MHz, dwn1: 3700-4200 MHz
			Ku	up1: 14.0-14.50 GHz, dwn1: 11.45-11.70 GHz, dwn2: 11.70-12.20 GHz
	INTELSAT 35e (IS-35e)	34.5° L.O.	C	up1: 5850-6425 MHz, dwn1: 3625-4200 MHz
			Ku	up1: 13.75-14.50 GHz, dwn1: 10.95-11.20 GHz, dwn2: 11.45-11.70 GHz
	INTELSAT 37e (IS-37e)	18° L.O.	C	up1: 5850 MHz, dwn1: 6650 MHz
			Ku	up1: 13.75-14.50 GHz, dwn1: 10.70-11.70 GHz

	SES-6	40.5° L.O.	C	up1: 5850-6425 MHz, up2: 6725-7025 MHz, dwn1: 3625-4200 MHz, dwn2: 4500-4800 MHz
			Ku	up1: 13.75-14.50GHz, dwn1: 11.45-12.20 GHz
			C	up1: 5850-6425 MHz, dwn1: 3625-4200 MHz

NEW SKIES SATELLITE	SES-4	22° L.O.	Ku	up1: 13.75-14.50 GHz, dwn1: 10.95-11.20 GHz, dwn2: 11.45-11.70 GHz, dwn3: 11.70-12.25 GHz, dwn4: 12.50-12.75 GHz
	NSS-7	20° L.O.	C	up1: 5850-6425 MHz, dwn1: 3625-4200 MHz
			Ku	up1: 14.0-14.50 GHz, dwn1: 10.95-11.20 GHz, dwn2: 11.45-11.70 GHz, dwn3: 11.70-12.20 GHz, dwn4: 12.50-12.75 GHz
	AMC-4	67° L.O.	C	up1: 5925-6425 MHz, dwn1: 3700-4200 MHz
			Ku	up1: 13.75-14.0 GHz, up2: 14.0 - 14.50 GHz, dwn1: 11.45-11.70 GHz, dwn2: 11.70-12.20 GHz
	NSS-10	37.5° L.O.	C	up1: 5925-6425 MHz, dwn1: 3700-4200 MHz
	SES-10	67° L.O.	Ku	up1: 13.75-14.50 GHz, dwn1: 11.45-12.20 GHz
	SES-14	47.5° L.O.	C	up1: 5850-6425 MHz, dwn1: 3625-4200 MHz
			Ku	up1: 13.75-14.50 GHz, dwn1: 10.95-11.20 GHz, dwn2: 11.45-12.20 GHz
	SES-17	67° L.O.	Ka	Up1: 27,0-27,5 GHz Up2: 27,5-29,1 GHz Up3: 29,1-29,5 GHz Up4: 29,5-30,0GHz Dwn1: 17,7-17,8 GHz Dwn2: 17,8-18,4 GHz Dwn3: 18,4-18,6 GHz Dwn4: 18,6-18,8 GHz Dwn5: 18,8-19,3 GHz
ORBCOMM INC	8	GEN1 A-LEOTELCOM-1		Up3: 29,1-29,5 GHz
	8	GEN1 B-LEOTELCOM-1		Up4: 29,5-30,0GHz
	8	GEN1 C-LEOTELCOM-1		Dwn1: 17,7-17,8 GHz
	8	GEN1 D-LEOTELCOM-1		Dwn2: 17,8-18,4 GHz
	2	GEN1 F-LEOTELCOM-1		Dwn3: 18,4-18,6 GHz
	2	GEN1 G-LEOTELCOM-1		Dwn4: 18,6-18,8 GHz
	6	GEN2 QL-LEOTELCOM-1		Dwn5: 18,8-19,3 GHz
	6	GEN2 A-LEOTELCOM1		Dwn6: 19,3-19,7 GHz
	6	GEN2 B-LEOTELCOM-1		Dwn7: 19,7-20,2 GHz
	6	GEN2 C-LEOTELCOM-1		up1: 150.05 MHz, dwn1: 137-

SATELITES MEXICANOS- SATMEX	EUTELSAT 113 WEST A (SATMEX-6)	113° L.O.	C	6425 MHz, dwn1: 3700- 4200 MHz
			Ku	up1: 14.0- 14.50 GHz, dwn1 : 11.70- 12.2 GHz
	EUTELSAT 115 WEST B (SATMEX-5)	114.9° L.O.	C	up1:5925- 6425 MHz, dwn1: 3700- 4200 MHz
			Ku	up1: 14.0- 14.50 GHz, dwn1: 11.70- 12.2 GHz
	EUTELSAT 117 WEST A (SATMEX-8)	116.8° L.O.	C	up1: 5925- 6425 MHz, dwn1: 3700- 4200 MHz
			Ku	up1: 14.0- 14.50 GHz, dwn1: 11.70- 12.2 GHz
	EUTELSAT 65 WEST A	65° L.O.	C	up1: 6725- 7025 MHz dwn1: 4500- 4800 MHz
			Ku	up1: 12.75- 13.25 GHz dwn1: 10.70- 10.95 GHz, dwn2:11.20- 11.45 GHz
	EUTELSAT 117 WEST B	117° L.O.	Ku	up1: 13.75- 14.0 GHz, up2:14.5- 14.75 GHz, dwn1: 10.95- 11.20 GHz, dwn2: 11.45- 11.70 GHz

HISPASAT S.A.	AMAZONAS-2	61° L.O.	C	up1: 6725- 7025 MHz, dwn1: 4500- 4800 MHz
			Ku	up1: 12.75- 13.25 GHz, up2: 13.75- 14.50 GHz, dwn1: 10.70- 11.45 GHz, dwn2: 11.70- 12.20 GHz
	AMAZONAS-3	61° L.O.	C	up1: 5850- 6425 MHz, dwn1:3625- 4200 MHz
			Ku	up1:13.750- 14.500 GHz dwn1: 10.95- 11.20 GHz dwn2: 11.700- 12.200 GHz
			Ka	up1:28.100- 30.00 GHz, dwn1: 18.30- 20.20 GHz
	HISPASAT 36W-1	36° L.O.	Ku	up1: 14.25- 14.50 GHz, dwn1: 11.95- 12.20 GHz
	HISPASAT 30W-5	30° L.O	Ku	up1: 13.754- 13.906 GHz, dwn1: 11.954- 12.110 GHz
	AMAZONAS 5	61° L.O.	Ku	up1: 17.30- 17.80, dwn1: 12.20- 12.70
	HISPASAT 30W-6	30° L.O.	C	up1: 6.725- 7.025 GHz, dwn1: 4.5-4.8 GHz
			Ku	up1: 13.0- 13.25 GHz, up2: 13.9- 14.5 GHz, dwn1: 11.2- 11.45 GHz, dwn2: 11.7- 11.95 GHz, dwn3: 12.1- 12.2 GHz
	HISPASAT 74W-1	74° L.O.	Ku	up1: 17.300- 17.800 GHz, dwn1: 12.200- 12.700 GHz
	AMAZONAS NEXUS	61° L.O	Ku	up1: 13.74- 14.50 GHz, dwn1: 10.70- 12.20 GHz

EMBRATEL TVSAT TELECOMUNICACIONES S.A	STAR ONE C4	70° L.O.	Ku	up1: 13.75-14.50 GHz, dwn1: 10.95-11.20 GHz, dwn2: 11.70-12.20 GHz
	STAR ONE C3	75° L.O.	C	up1: 5850-6425 MHz, dwn1: 3625-4200 MHz
			Ku	up1: 13.75-14.50 GHz, dwn1: 10.95-11.20 GHz, dwn2: 11.70-12.20 GHz
	STAR ONE D1	84° L.O.	C	up1: 5850-6425 MHz, dwn1: 3625-4200 MHz
			Ku	up1: 13.75-14.50 GHz, dwn1: 10.95-11.20 GHz, dwn2: 11.70-12.20 GHz
	STAR ONE D2	70° L.O.	C	up1: 5850-6425 MHz, dwn1: 3625-4200 MHz
			Ku	14.5 GHz, dwn1: 11.7-

IRIDIUM SATELLITE LLC	66 Satélites en 6 planos Orbitales. Inclinação 86,4°	Hibleo-2	L	up: 1616 MHz dwn: 1626.5 MHz
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NETWORK ASSOCIATES LIMITED / ONE WEB	Satélites no geoestacionarios	18 planos orbitales. Con 49 satélites por plano Orbital. 87.9° grados	Ku	up: 14.0-14.5 Ghz dwn: 10.7 - 12.7 Ghz
			Ka	up1: 27.5 - 29.1 Ghz up2: 29.5-30.0 Ghz dwn1: 17.8-18.6 Ghz dwn2: 18.8-19.3 Ghz