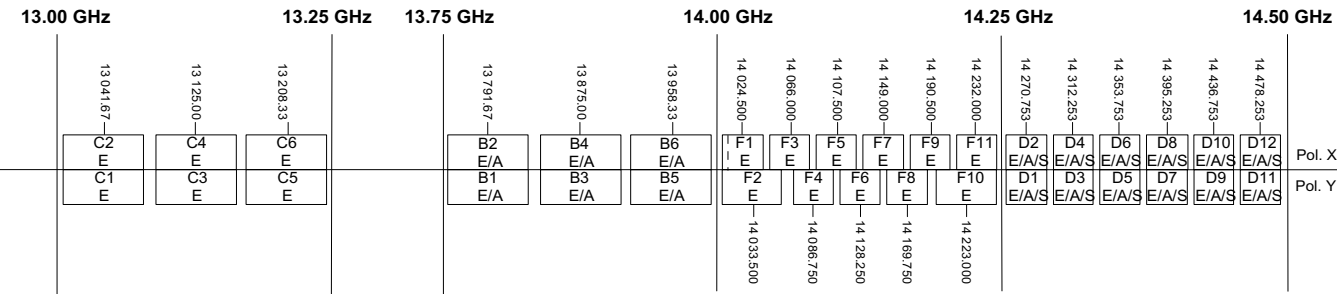
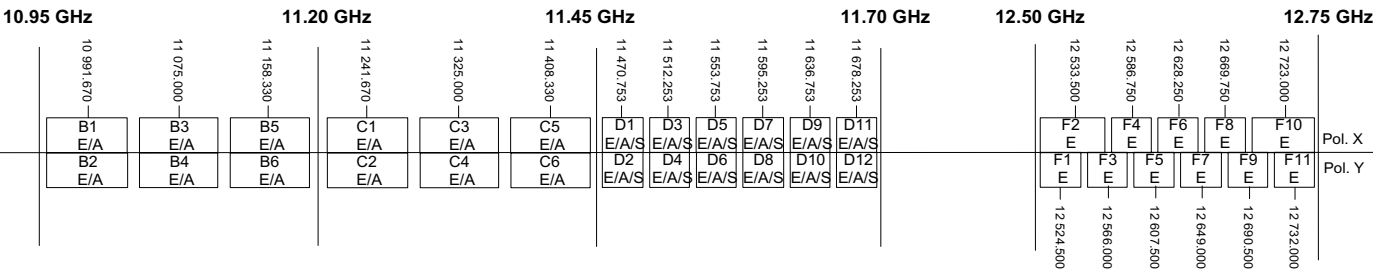


Uplink



Downlink



CONNECTIVITY: Channels are switched by block per polarization independently on the uplink and the downlink
 E: Europe A: America S:Steerable

Notes:

- 1 Transponder bandwidth: 36 MHz (Da nd F channels, excluding channels F2 and F10), 54 MHz (cahnnels F2 and F10) and 72 MHz (B and C channels).
- 2 Any two channels from each of the following three channel groups (six channels in total) can be operated at any onte time: B1, C1, D1, C7), (B4, C4, D4, D10 and (B6, C6, D6, D12). Additionally, up to three channels from each of the following three chanel groups (nine channels in toal) can be operated at any one time: (B2, C2, D2, D8), (B3, C3, D9) and (B5, C5, D5, D11)
- 3 Coverage selection for the B, C and D chanel groups is effected on a channel block basis, independently for each grop. Each channel block comprises channels of the same polarisation and group (e.g. C1, C3, C5). Coverage selection is independent for each polarisation and on the uplink and downlink.

Satellite Characteristics

	Parameter	Values
General	Satellite Manufacturer	Alcatel Space
	Launch Date	25/09/2001
	Launch	Ariane 4 (V 144)
	Projected Lifetime	>12.5 Years
	Orbital Position	8°W
Frequency Plan	Operational Transponders	26
Coverages	Polarisation	Dual linear Horizontal (X) and Vertical (Y)
	Polarisation Discrimination	30 to 33 dB
Transponder Gain	Typical Operational Saturation IPFD Range ^a	-(86 + X) to -(77 + X) ^b -(100 + X) to -(77 + X) ^c
Beacon	Beacon 1 Frequency	11 704.000 MHz 11 705.200 MHz
	Beacon 2 Frequency	12 500.500 MHz
	Minimum EIRP	5.5 dBW (Beacon 1) 9.0 dBW (Beacon2) Global coverage
	Polarisation	Horizontal (X)

- a. In dBW/m². X is the G/T in dB/K in the direction of the location considered. Other Values of IPFD can be selected depending on service applications and operational environment.
- b. In Fixed Gain Mode (FGM)
- c. With Automatic Level Control (ALC).

