

Arabsat-5A Main Data			
Launch Date	Q4 2009		
Orbital Location	30.5° East		
Design Lifetime	15 Years		
Manufacturer	EADS-Astrium		
Platform	Eurostar-3000		
Launcher	Ariane V		
Frequency Band	Ku-band / FSS	Uplink	13.75-14.00 GHz
		Downlink	12.50-12.75 GHz
	Ku-band / FSS Apx-30B	Uplink	13.00-13.25 GHz
		Downlink	10.70-10.95 GHz
	C-band	Uplink	5.925-6.425 GHz
		Downlink	3.700-4.200 GHz
	C-band / Apx-30B	Uplink	6.725-7.025 GHz
		Downlink	4.500-4.800 GHz
Polarization	Ku-band / FSS	Linear - Horizontal or Vertical	
	C-band	Circular - RHCP or LHCP	
X-Polarization Isolation	Ku-band / FSS	30 dB	
	C-band	30 dB	
No of Transponders & Transponders Bandwidth	Ku-band / FSS	MASHREQ Beam	2x72 MHz + 2x36MHz
		MAGHREB Beam	2x72 MHz + 2x36MHz
		Pan-ARAB or Central-MENA	2x72 MHz + 2x36MHz
	Ku-band / FSS Apx-30B	MASHREQ Beam	2x72 MHz + 2x36MHz
		MAGHREB Beam	2x72 MHz + 2x36MHz
		Pan-ARAB or Central-MENA	2x72 MHz + 2x36MHz
	C-band	HEMI Beam / MEA	8x72 MHz + 8x36MHz
	C-band	Zone Beam / Apx-30B	4x72 MHz + 6x36MHz
Typical G/T	Ku-band / FSS	MASHREQ Beam	6 dB/K
		MAGHREB Beam	7 dB/K
	Ku-band / FSS Apx-30B	Central-MENA Beam	6.1 dB/K
		Pan-ARAB Beam	1.4 dB/K
		MASHREQ Beam	51.9 dBW
Typical EIRP	Ku-band / FSS	MAGHREB Beam	53.6 dBW
		Central-MENA Beam	51.7 dBW
	Ku-band / FSS Apx-30B	Pan-ARAB Beam	51 dBW
		C-band	HEMI Beam / MEA
Typical EIRP	C-band	Zone Beam / Apx-30B	44.9 dBW
Typical G/T	C-band	Zone Beam / Apx-30B	-0.4 dB/K
Typical EIRP	C-band	Zone Beam / Apx-30B	42.3 dBW