

BADR-4 Main Data			
Launch Date	Nov. 09, 2006		
Orbital Location	26° East		
Design Lifetime	15 Years		
Manufacturer	EADS-Astrium		
Platform	Eurostar-E2000+		
Launcher	Proton-Breeze M by ILS		
Frequency Bands	Ku-band / FSS	Uplink	13.75-14.00 GHz
		Downlink	12.50-12.75 GHz
	Ku-band / BSS	Uplink	17.30-18.10 GHz
		Downlink	11.70-12.50 GHz
No of Transponders	Ku-band / FSS	16 LTWTAs for 12 Active Channels	
	Ku-band / BSS	20 TWTAs, for 20 (BOL) or 16 (EOL)	
Polarization	Linear - Horizontal or Vertical		
X-Polarization Isolation	Ku-band / FSS	30 dB	
	Ku-band / BSS	30 dB	
Transponders Bandwidth	Ku-band / FSS	36 MHz	
	Ku-band / BSS	34 MHz	
Typical G/T	Ku-band / FSS	6.2 dB/K	
Typical EIRP		51.8 dBW	
Typical G/T	Ku-band / BSS	3.2 dB/K	
Typical EIRP		51.8 dBW	