



SATCOM STATION

mobile tri-band

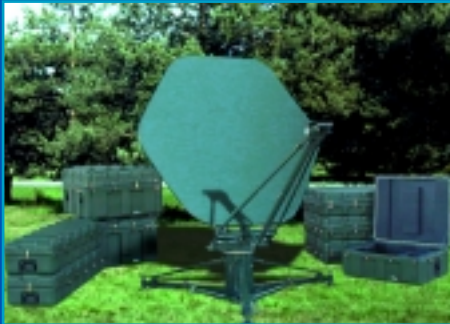




Technical specifications

The DE3B240 is a mobile, air-transportable ground station, developed by Dateno for the French Forces. It is used for digital transmissions in the C, X or Ku bands, conforming to the INTELSAT, EUTELSAT and STANAG 4484 standards. All components from recognised sources (Dateno, Vertex, etc).

Radiofrequency characteristics



> Station with carrier cases

	C band	X band	Ku band		
Antenna	2,4 metres segmented, carbon fibre reflector				
Transmit TX	5850 - 6425	7900 - 8400	13750 - 14500	MHz	
Receive Rx	3625 - 4200	7250 - 7750	10950 - 12750	MHz	
G/T	17.2	21.6	25	dB/K	20° elevation, clear sky
EIRP max. saturation	63.7	67.8	70.6	dBW	
EIRP max single carrier	61.2	64.8	68.1	dBW	SLB - 26 dBc
Polarisation	Circular R or L	Circular R or L	Linear		
Amplifier	400 watts with filter unit				
Number of carriers	3 x 64k to 2M	3 x 64k to 2M	3 x 64k to 2M	bit/s	

Operating characteristics

Band change	Manual in less than 15 minutes	Change of source, transmit line and AFB
Pointing system	Automatic, using GPS and sensors	GPS, compass, inclinometer
Tracking system	step tracking, memory tracking	
Management/configuration system	Ruggedised laptop PC Monitored on general mimic panel	Access to states and commands via multi-windowing in Windows

Mechanical characteristics

Vibration/shocks during transporting	GAM EG13, fascicle 41	
Transport	Air (flyaway)	
Net weight	500 kg (carrier case packaging)	

Climatic characteristics

Operating temperature	- 25 °C to + 50 °C	
Storage temperature	- 30 °C to + 60 °C	
Windspeed	120 km/h gusting	Antenna deployed 60 km/h max.

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