



INSTALLING
RELIABILITY



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2.4 M MOBILE STATION

The ND SATCOM 2.4 m Mobile Station is the Satellite Communications solution of choice whenever a mobile uplink is needed, such as for disaster recovery, crisis management, emergency response or interim/backup uplink.

This Mobile Station with a 2.4 m antenna is self-supporting. It contains both a power generator and air conditioning/heating to function independently of local infrastructure. It also contains climate controlled vibration-cushioned 24RU rack space for electronic equipment and ample accessories space in the non-climate controlled area. Designed on a single-axle trailer, it can be easily transported.



KEY FEATURES

- Built for autonomous field operation; self-supporting
- 10 kW power generator
- External power input including isolating transformer
- Air conditioning: 3 kW cooling and 2 kW heating capacity
- 24RU climate controlled rack space
- 2.4 m antenna capable of multiple frequency bands (C, Ku, DBS and Ka)

TECHNICAL SPECIFICATIONS

SIZE L X W X H	
Container incl. stowed Antenna	3,144 x 1,813 x 1,844 mm
Mounted on trailer	max. 5,070 (min. 4,490) x 2,150 x 2,900 mm
Weight	
	up to 5,000 kg
Transport	
	On Trailer (MOT approved)
	Detached from trailer in 20 ft ISO container
ENVIRONMENTAL	
Temperature	-30 °C up to +50 °C
Wind	20 m/s steady gusting up to 27 m/s

RF-SPECIFICATIONS

RF-PERFORMANCE	C-BAND	KU-BAND	K-BAND	KA-BAND
Feed type/Polarisation	2 Port Circular	2 Port Linear	2 Port Linear	2 Port Circular
Frequency Range TX (GHz)	5.85 – 6.425	13.00 – 14.50	17.30 – 18.40	27.50 – 31.00
Frequency Range RX (GHz)	3.625 – 4.20	10.70 – 12.75	10.70 – 12.75	17.70 – 21.20
Antenna Gain TX (dBi)	42.1@6.138	48.5@13.75	50.3@17.85	54.7@29.25
Antenna Gain RX (dBi)	38.0@4.00	47.1@11.725	47.5@11.725	51.4@18.95
EIRP (dBW)	69.7	75.3	77.3	78.1
G/T@10° EI (dBK)	18.0@4.0	24.5@11.725	26.0@11.725	27.5@18.95

ND SATCOM reserves the right to change specifications without notice.



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