

Data Sheet

System IAM:

3.5m 'RESQ'

136 - 175MHz

System Name:	System IAM 3.5m 'RESQ' 136-175MHz	
System Part Number:	Black:	952-203510-3-1
	Orange:	952-203510-5-1
	Blue:	952-203510-7-1
System Contents:	1 x 3.5m 51mm (11.5' 2") Integrated Antenna Mast 1 x Top Cap 3 x Guy Ropes 1 x Base Cap 6 x Red Rock Pegs 1 x Bag	
Deployed Height:	3.5m (11.5')	
Deployed Tube ID:	51mm (2")	
Mast Packed / Rolled Dimensions WxHxD:	150mm x 150mm x 150mm (6" x 6" x 6")	
System Weight:	2.3kg (5.1lb)*	
Frequency Range:	136 - 175MHz	
Radiation Pattern:	Omnidirectional	
Antenna Format:	Vertically Polarised Dipole	
Nominal Gain:	2.2 dBi	
VSWR:	< 2.1:1	
Power Rating:	25W c.w ¹	
Impedance:	50 ohms nominal	
Connection Type:	N-type(m) plug	
Construct and Finish:	Mast Body: PP-glass fibre composite with integrated dipole antenna External Finish: Polyester woven fabric in black, blue & orange Other colours available but MOQ will apply	
Environmental:	Operating Temp Range	-32 °C to +49 °C
	Storage Temp Range	-33 °C to +71 °C
	Waterproof & UV resistant	

* Without pegs

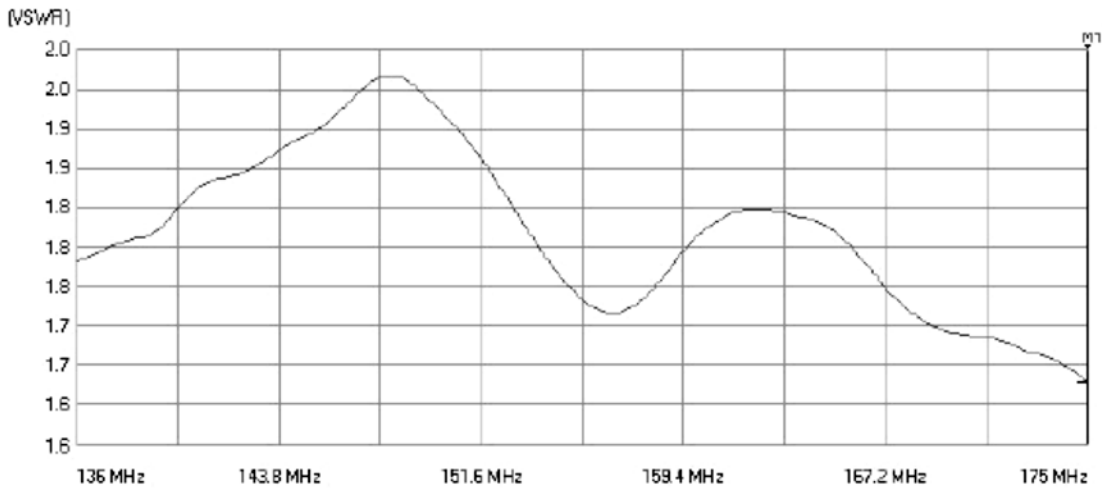


Notes: ¹Stated power rating is based on continuous transmit. Higher powers may be used depending on duty cycle and transmission duration protocols. Please contact your Rolatube representative to discuss your requirements before exceeding 25W.

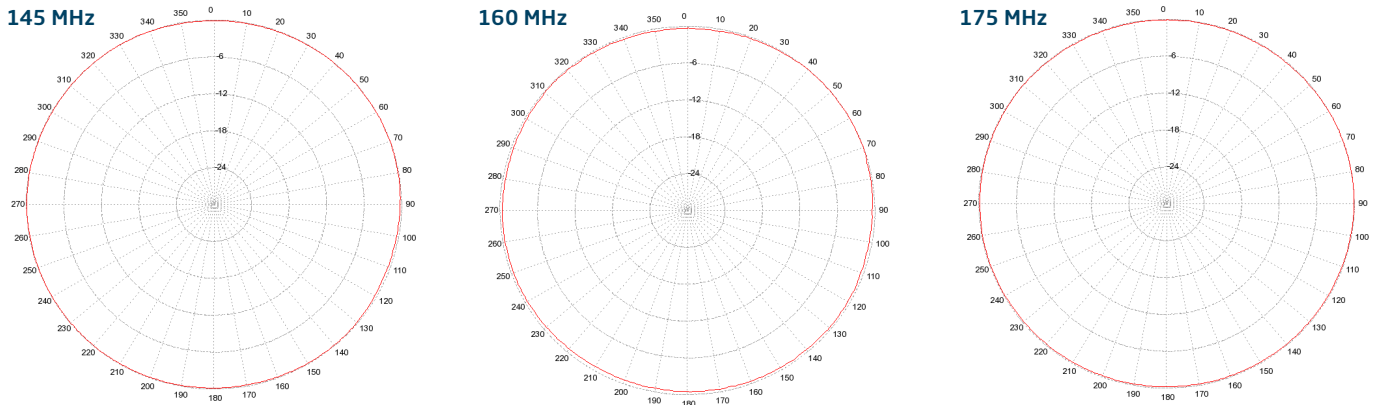
3.5m RESQ Integrated Antenna Mast RF Data

1.0 VSWR

Rolatube 3.5m RESQ Integrated Antenna Mast (136 - 175 MHz) - VSWR Trace

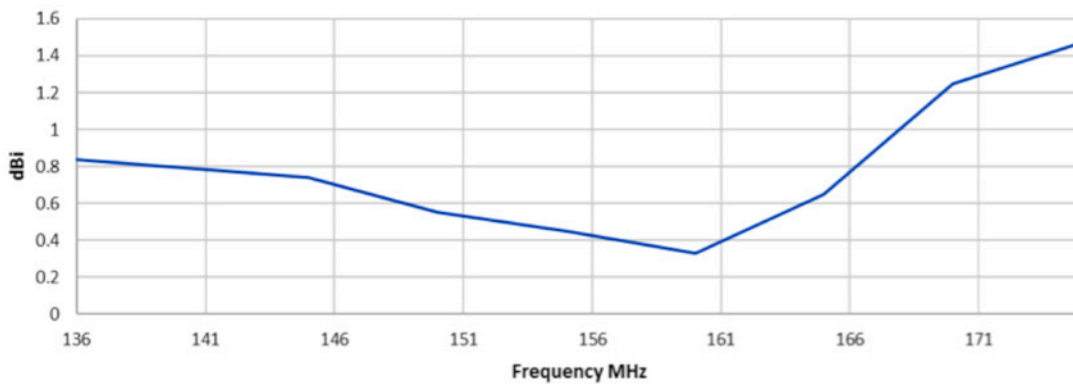


2.0 Polar Plots (Gain dB)



3.0 Swept Gain (dBi)

3.5m RESQ Swept Gain



3.5m RESQ Integrated Antenna Mast Product Components

System	Rolatube Part Number
System IAM 3.5m 'RESQ' 136-175MHz, Black	952-203510-3-1
System IAM 3.5m 'RESQ' 136-175MHz, Orange	952-203510-5-1
System IAM 3.5m 'RESQ' 136-175MHz, Blue	952-203510-7-1

Component	Rolatube Part Number	Qty
3.5m 51mm (11.5' 2") 'RESQ' 136-175MHz IAM only, Black	902-203510-3-0	1
3.5m 51mm (11.5' 2") 'RESQ' 136-175MHz IAM only, Orange	902-203510-5-0	1
3.5m 51mm (11.5' 2") 'RESQ' 136-175MHz IAM only, Blue	902-203510-7-0	1
Top cap	800-001007	1
Base cap	800-001004	1
Set of 3 x 5.5m (18') guy ropes	207-004006	1
Red Rock Peg	207-002008	6
Bag	502-003021	1

Optional Accessory	Rolatube Part Number
3.5m IAM Mount for System 75	800-006200
3.5m IAM Mount for System 100	800-006210

Disclaimer: The technical and operational information contained within this document relates only to the specific product referred to in this document and may not be applicable when such product is not used in accordance with such operational instructions. The Company reserves the right to change technical and operational information from time to time. A copy of the latest version is available on the Company's website: www.rolatube.com
A copy of the Company's terms and conditions of business are also included on the Company's website.

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