

# Data Sheet

## System IAM:

7m 'RESQ'

136 - 175MHz



<b>System Name</b>	System IAM 7m 'RESQ' 136-175MHz	
<b>System Part Number:</b>	Black: 952-307011-3-1	
	Orange: 952-307011-5-1	
	Blue: 952-307011-7-1	
<b>Deployed Height:</b>	7m (22.9')	
<b>Deployed Tube ID:</b>	76mm (3")	
<b>Mast Packed / Rolled Dimensions WxHxD:</b>	280mm x 400mm x 280mm (11" x 15.7" x 11")	
<b>System Weight:*</b>	6.2kg (13.7lb)	
<b>Frequency Range:</b>	136 - 175MHz	
<b>Radiation Pattern:</b>	Omnidirectional	
<b>Antenna Format:</b>	Vertically Polarised Dipole	
<b>Nominal Gain:</b>	2.2 dBi	
<b>VSWR:</b>	< 1.8:1	
<b>Power Rating:</b>	30W c.w <sup>1</sup>	
<b>Impedance:</b>	50 ohms nominal	
<b>Connection Type:</b>	N-type(m) plug	
<b>System Contents:</b>	1 x 7m 76mm (22.9' 3") Integrated Antenna Mast	1 x Low Profile Base Cap
	1 x Top Collar	6 x Black Rock Pegs
	3 x Top Collar Guy Ropes	3 x Red Rock Pegs
	1 x Secondary Cuff	1 x Connection Cable
	3 x Secondary Cuff Guy Ropes	(with strain relief hook)
		1 x Bag
<b>Construct and Finish:</b>	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	
<b>Environmental:</b>	Operating Temp Range	-32deg C to +49deg C
	Storage Temp Range	-33deg C to +71deg C
	Waterproof & UV resistant	

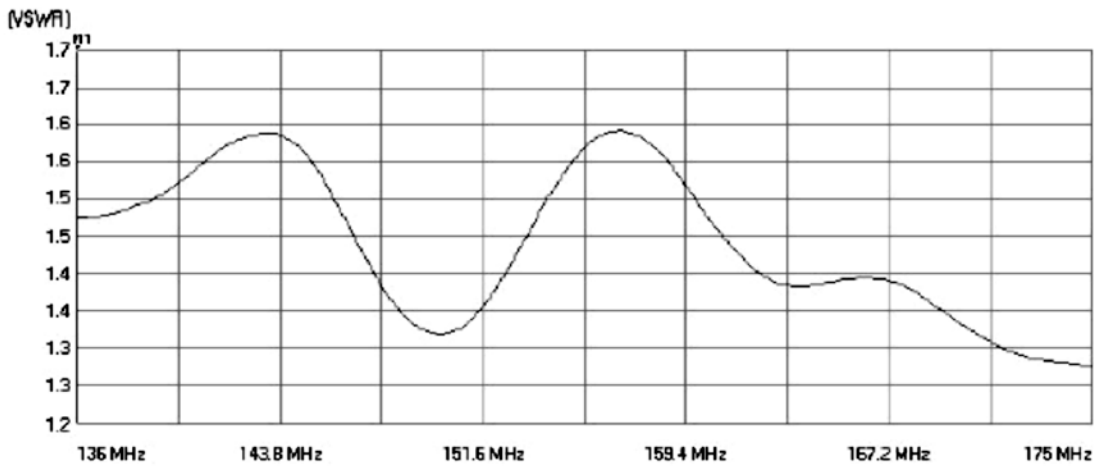
\* Without pegs

Notes: <sup>1</sup>Stated 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 30W.

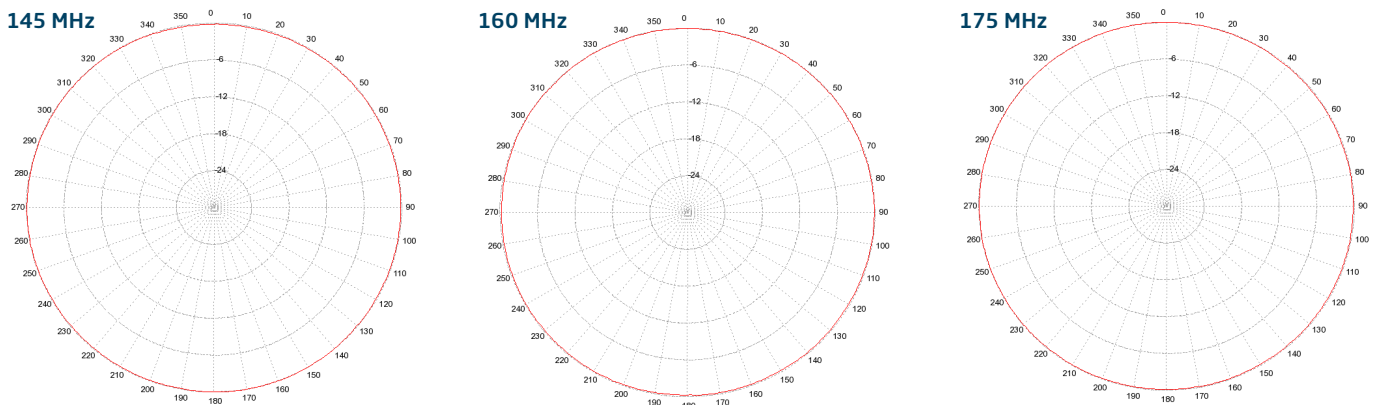
# 7m RESQ Integrated Antenna Mast RF Data

## 1.0 VSWR

Rolatube 7m RESQ Integrated Antenna Mast (136 - 175 MHz) - VSWR Trace

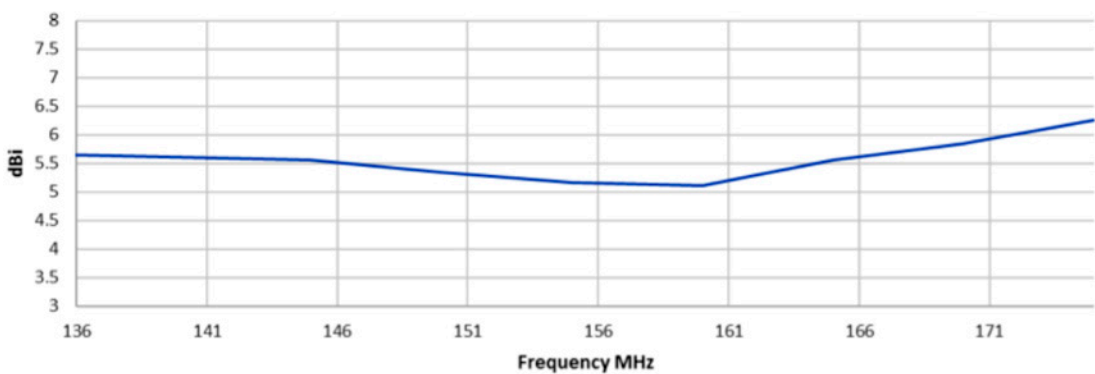


## 2.0 Polar Plots (Gain dB)



## 3.0 Swept Gain (dBi)

7m RESQ Swept Gain



# 7m RESQ Integrated Antenna Mast Product Components

System	Rolatube Part Number
System IAM 7m 'RESQ' 136-175MHz, Black	952-307011-3-1
System IAM 7m 'RESQ' 136-175MHz, Orange	952-307011-5-1
System IAM 7m 'RESQ' 136-175MHz, Blue	952-307011-7-1

Components	Rolatube Part Number	Qty
7m 76mm (22.9' 3") 'RESQ' 136-175MHz IAM only, Black	902-307011-3-0	1
7m 76mm (22.9' 3") 'RESQ' 136-175MHz IAM only, Orange	902-307011-5-0	1
7m 76mm (22.9' 3") 'RESQ' 136-175MHz IAM only, Blue	902-307011-7-0	1
Top Collar with locating lugs	800-000098	1
Lower Cuff with orange rubber inserts	800-000119	1
76mm (3") Low profile base cap	800-001058	1
Set of 3 x 7.5m (26.6') Guy ropes	207-004108	1
Set of 3 x 5.5m (18') Guy ropes (orange tags)	207-004006	1
Connection Cable (with strain relief hook)	207-000155	1
Steel Ground Stake 30cm black	207-002004	6
Red Rock Peg	207-002008	3
Bag	502-003030	1

**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](http://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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