

Data Sheet

System IAM:

3.5m 'TEAM'

136-470MHz



| | | |
|---|---|----------------|
| System Name: | System IAM 3.5m 'TEAM' 136-470MHz | |
| System Part Number: | Multicam | 952-203501-1-1 |
| | Black | 952-203501-3-1 |
| | Multicam Alpine* | 952-203501-6-1 |
| | Multicam Arid* | 952-203501-8-1 |
| System Contents: | 1 x 3.5m 51mm (11.5' 2") Integrated Antenna Mast with N Type Male connector 1 x Strain Relief Cable 1 x Top Cap 1 x Base Cap 3 x 5.5m Guy Ropes 6 x Red Rock Pegs 1 x Black Bag | |
| Deployed Height: | 3.5m (11.5') | |
| Deployed Tube ID: | 51mm (2") | |
| Packed System Volume Dimensions W x H x D: | 170mm x 250mm x 180mm (6.6" x 9.8" x 7") | |
| System Weight:** | 2.8kg (6.2lb) | |
| Frequency Range: | 136 – 470MHz | |
| Radiation Pattern: | Omnidirectional | |
| Antenna Format: | Vertically Polarised Dipole | |
| Nominal Gain: | 2.2 dBi | |
| VSWR: | 136-470MHz < 2.2:1 | |
| Power Rating: | 25W using standard duty cycles and voice over radio transmit protocols ¹ | |
| Impedance: | 50ohms nominal | |
| RF Cable: | Permanently fixed 2.2m length (7.2') extending from base of mast (via integral strain relief clamp) | |
| Connection Type: | N Type (m) | |
| Construct and Finish: | Mast Body: PP-glass fibre composite with integrated dipole antenna External Finish: Nylon woven fabric cover (Cordura 500 denier) in black or MTP | |
| Environmental: | Compliant with the relevant sections of MIL-STD-810G | |

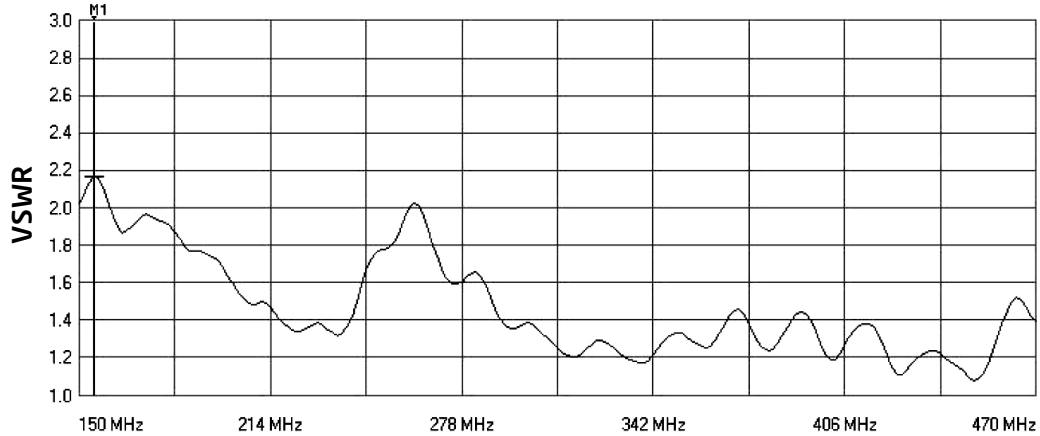
* MOQ of 5 applies, or 20% surcharge ** Without pegs

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 TEAM Lightweight Range Extender (136-470MHz) RF Data

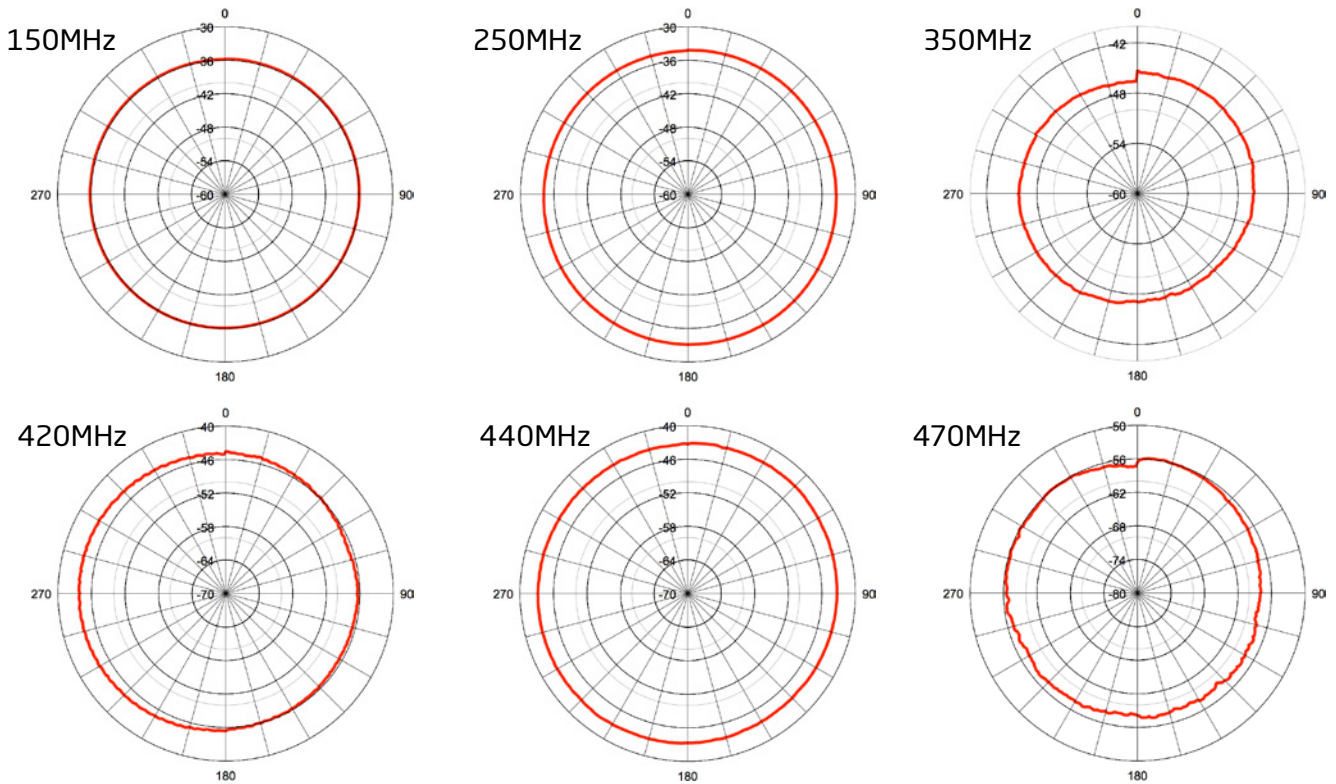
1.0 VSWR

Rolatube 3.5m TEAM Lightweight Range Extender (136-470MHz) - VSWR Trace*



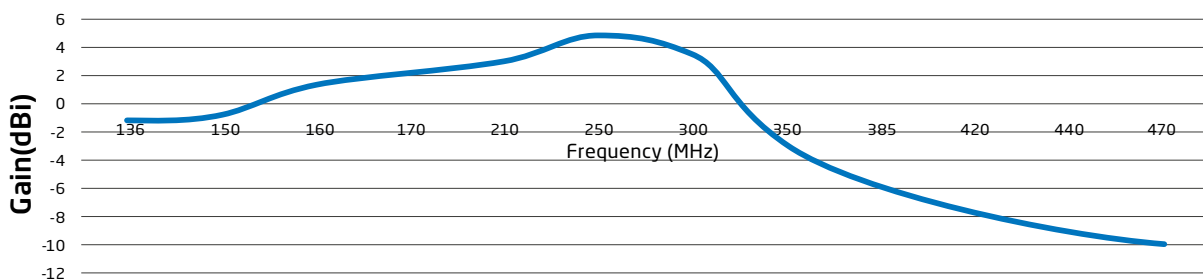
* As measured at the base of the mast and includes feeder loss

2.0 Polar Plots (Gain dB)



3.0 Swept Gain

Rolatube 3.5m TEAM IAM (136-470MHz) - Swept Gain



3.5m TEAM Lightweight Range Extender Product Components

| System | Rolatube Part Number | NSN |
|---|----------------------|------------------|
| 3.5m 'TEAM' Integrated Antenna Mast (136-470MHz) system multicam | 952-203501-1-1 | 5985-99-217-4195 |
| 3.5m 'TEAM' Integrated Antenna Mast (136-470MHz) system black | 952-203501-3-1 | 5985-99-581-9460 |
| 3.5m 'TEAM' Integrated Antenna Mast (136-470MHz) system multicam alpine | 952-203501-6-1 | NSN Pending |
| 3.5m 'TEAM' Integrated Antenna Mast (136-470MHz) system multicam arid | 952-203501-8-1 | NSN Pending |

| Component | Rolatube Part Number | NSN | Qty |
|---|----------------------|------------------|-----|
| 3.5m 51mm (11.5' 2") 'TEAM' Integrated Antenna Mast (136-470MHz) multicam | 902-203501-1-0 | 5985-99-983-2436 | 1 |
| 3.5m 51mm (11.5' 2") 'TEAM' Integrated Antenna Mast (136-470MHz) black | 902-203501-3-0 | 5985-99-318-1390 | 1 |
| 3.5m 'TEAM' Integrated Antenna Mast (136-470MHz) multicam alpine | 902-203501-6-0 | NSN pending | 1 |
| 3.5m 'TEAM' Integrated Antenna Mast (136-470MHz) system multicam arid | 902-203501-8-0 | NSN pending | 1 |
| Strain Relief Cable | 108-000035 | 5975-99-753-3553 | 1 |
| Top Cap | 800-001007 | 5985-99-217-2121 | 1 |
| Base Cap | 800-001004 | 5985-99-219-0841 | 1 |
| Set of 3 x 5.5m (18") Guy Ropes | 207-004006 | 4010-99-155-5292 | 1 |
| Red Rock Peg | 207-002008 | 4030-99-847-5233 | 6 |
| Bag | 502-003062 | 8105-99-753-0838 | 1 |

| Optional Accessory | Rolatube Part Number | NSN |
|-------------------------------|----------------------|------------------|
| 3.5m IAM Mount for System 75 | 800-006200 | 5985-99-371-3902 |
| 3.5m IAM Mount for System 100 | 800-006210 | 5985-99-680-0511 |

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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