



RolaTube 3.5m SQUAD IAM

(30-300MHz) Range

System Name:	3.5m SQUAD IAM Range Extender		
System Part Number:	Multicam Mast with Bas and Top Cap, Pegs and Guys	952-203500-1-1	
	Black Mast with Base and Top Cap, Pegs and Guys	952-203500-3-1	
Deployed Height:	3.5m (11.5')		
Deployed Tube ID:	51mm (2")		
Mast Packed/Rolled (W x H x D)	150 x 150 x 150mm (6" x 6" x 6")		
System Weight:	2.2kg (4.8lbs)		
Frequency Range:	30-300MHz		
Radiation Pattern:	Omnidirectional		
Antenna Format:	Vertically Polarised Dipole		
VSWR:	30 – 50MHz <4:1 50 – 300MHz <3:1		
Power Rating:	25W using standard duty cycles and voice over radio transmit protocols		
Impedance:	50ohms nominal		
RF Cable:	Permanently fixed 2.2m length (7') extending from base of mast (via strain relief clamp)		
Connection Type:	NC (m)		
System Contents:	1 x 3.5m Mast 1 x Top Cap 1 x End Cap	1 x Set of 3 Guys 6 x Rock Pegs 1 x TNC to N-Type (m) Adaptor	1 x TNC to BNC (m) Adaptor 1 x Black Bag 1 x Peg Bag
Construct and Finish:	Mast body: PP-glass fibre composite with integral dipole antenna. External finish: Nylon woven fabric (Cordura 500 Denier). Colour: Black or MTP.		
Environmental:	Compliant with relevant sections of MIL-STD-810G		

RF RANGE EXTENDER

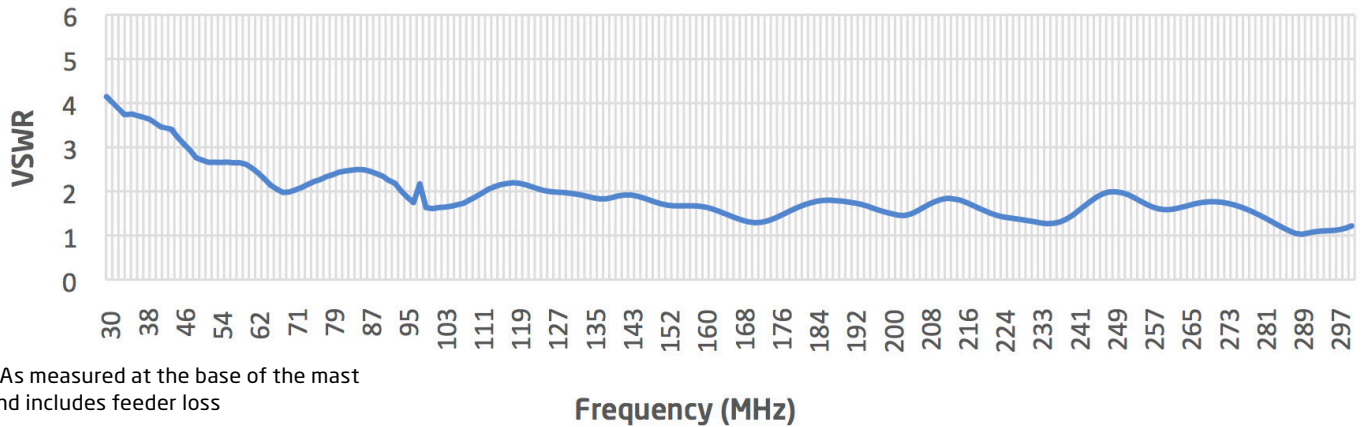
Fast - Compact - Light - Effective RF Range Extension for HandHeld and ManPack Radios



DMX-2018-01

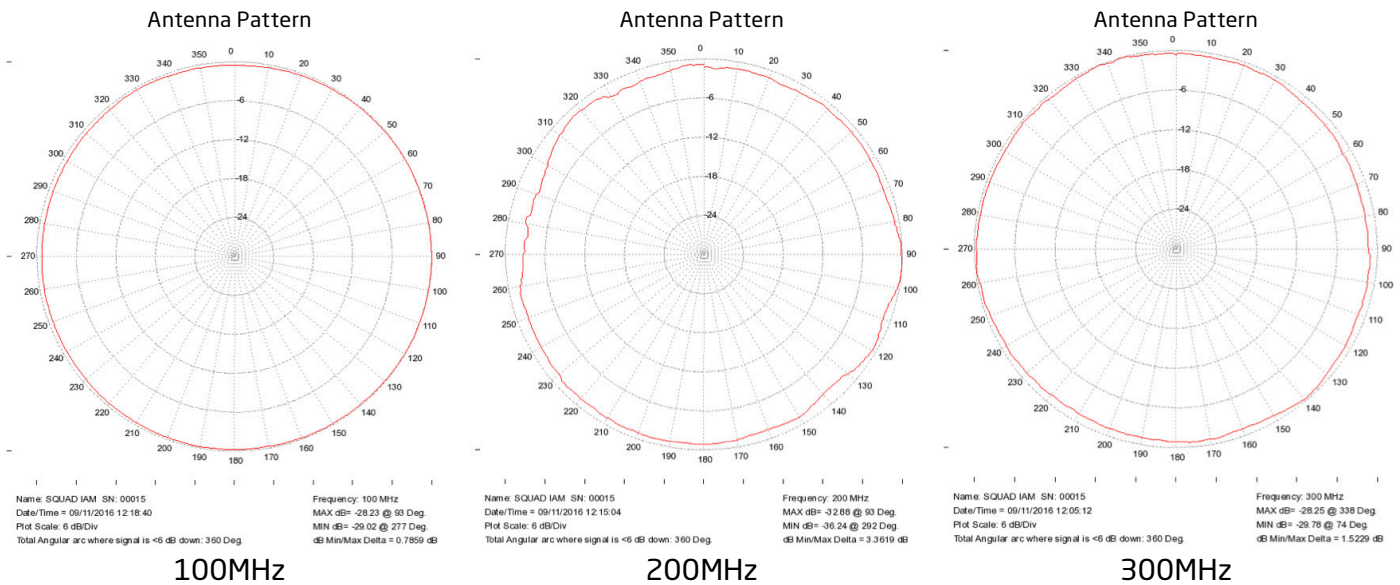
1.0 VSWR

RolaTube SQUAD 3.5m IAM (30 - 300MHz) - VSWR Trace*



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

2.0 POLAR PLOTS



3.0 SWEPT GAIN

RolaTube SQUAD 3.5m IAM (30 - 300MHz) - Nominal Swept Gain

