



ETAMS-HF deployed



Complete kit supplied in one compact carrying bag

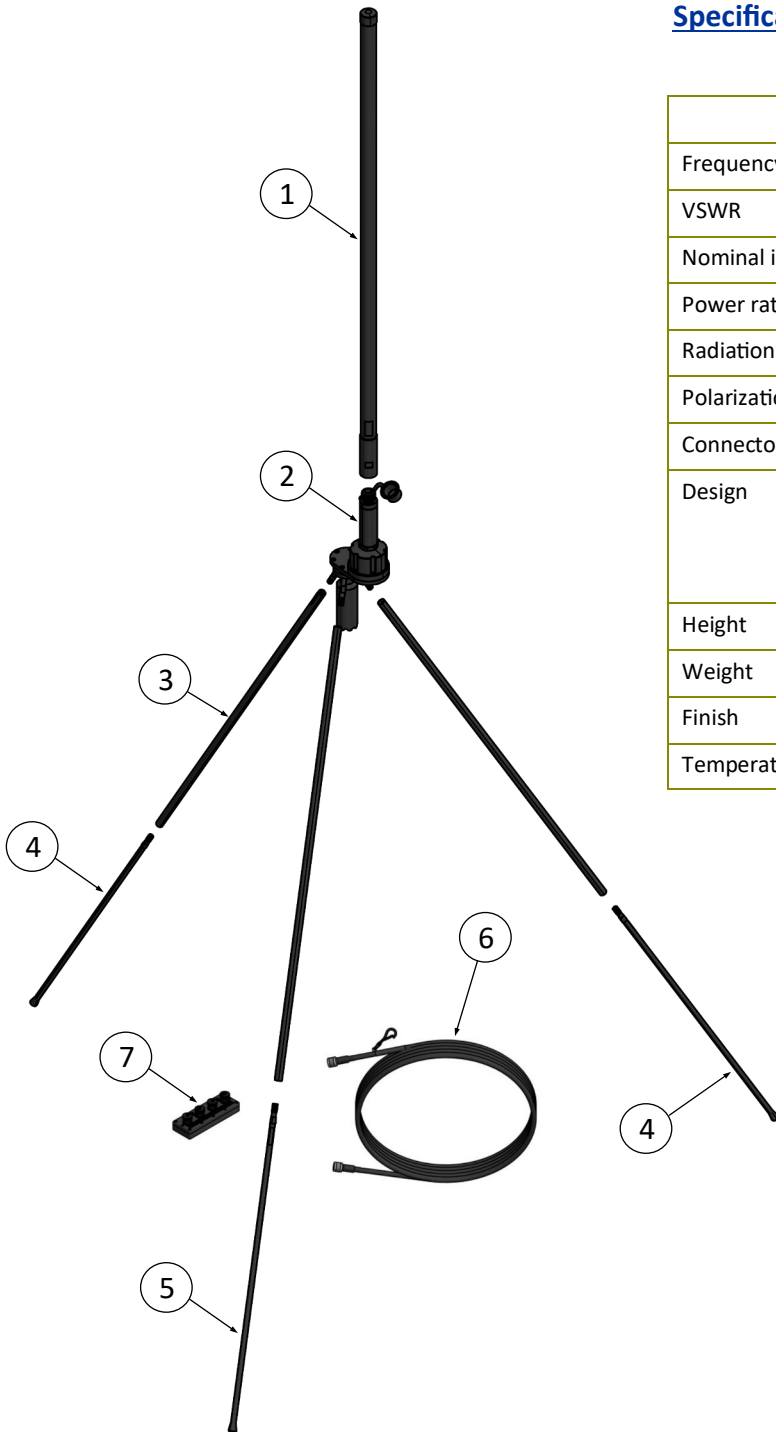


Complete ETAMS-HF kit

- Tactical Multiband Antenna and 27.9 ft (8.5 m) mast kit.
- Frequency range:
 - HF (1.6-30 MHz)
 - VHF (30-88MHz)
 - UHF (225-450MHz)
 - L-S band (1200-2600MHz)
- Supports legacy and modern networking waveforms.
- Comrod Tri-band antenna (VHF302600TB) installed on top of mast. Comrod HF wire dipole antenna (HF230XD-BF) installed at lower guy position.
- Kit includes extra guy ropes for when HF antenna is not needed.
- Single port Tri-band antenna design reduces cabling to antenna. Second cable connected to HF Wire Antenna. Both cables included with kit.
- High isolation between all bands.
- Tripod for Tri-band antenna included for ground level deployment.
- Included triplexer provides three separate radio ports from the Tri-band antenna.
- Complete kit supplied in one compact bag.
- System can be deployed in less than 15 minutes.

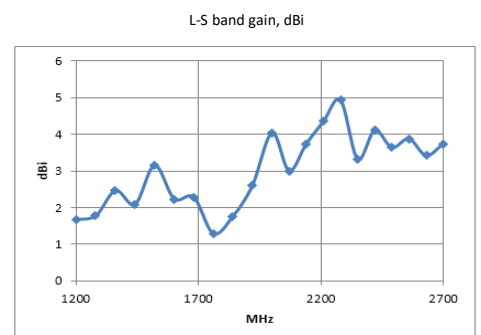
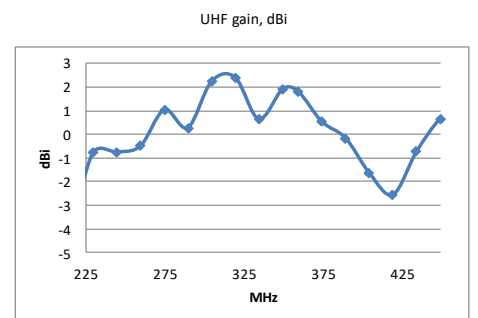
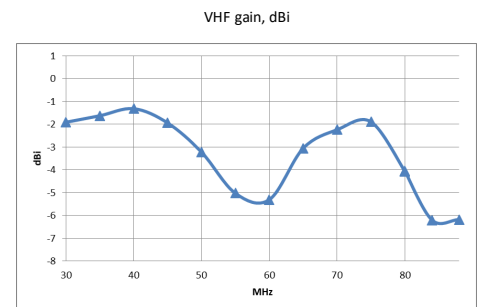
Specification - Tri-band Antenna Assembly

	VHF	UHF	L-S band
Frequency range	30-88 MHz	225-450 MHz	1200-2600 MHz
VSWR	< 3.5	< 3.0	< 3.0
Nominal impedance	50 Ω		
Power rating	75 W	75 W	50 W
Radiation pattern	Omnidirectional		
Polarization	Vertical		
Connector	N type Female		
Design	VHF monopole, UHF dipole, L-S band dipole elements. Radiating elements completely enclosed in epoxy/fiberglass laminate. Metal parts are brass, aluminum and stainless steel.		
Height	10 ft (3.1 m) - Antenna + Tripod		
Weight	Whip: 3.1 lbs (1.4 kg), Tripod: 8.3 lbs (3.8 kg)		
Finish	Polyurethane lacquer		
Temperature range	-67°F to +160°F, -55°C to +71°C		



Tri-band Antenna Kit List

Part	Item	Qty
Antenna Whip	1	1
Antenna Mast Adaptor	2	1
Inner Radial I	3	3
Outer Radial D	4	2
Outer Radial C	5	1
Coaxial Cable (LMR400) 40ft (12m)	6	1
Triplexer	7	1
Antenna Roll-Up Bag (not shown)	-	1



Specification - HF Wire Antenna Assembly

Frequency range	1.6-30 MHz
VSWR	< 3.5
Gain	2 dBi (dependent on coupler)
Nominal impedance	300 Ω - balanced transmission line
Power rating	400 W
Radiation pattern	Omnidirectional within ± 2 dB
Polarization	Horizontal
Connector	2 x hook terminals
Design	Crossed dipole wire antenna
Weight	3.5 lbs (1.6 kg)
Temperature range	-67°F to +160°F, -55°C to +71°C



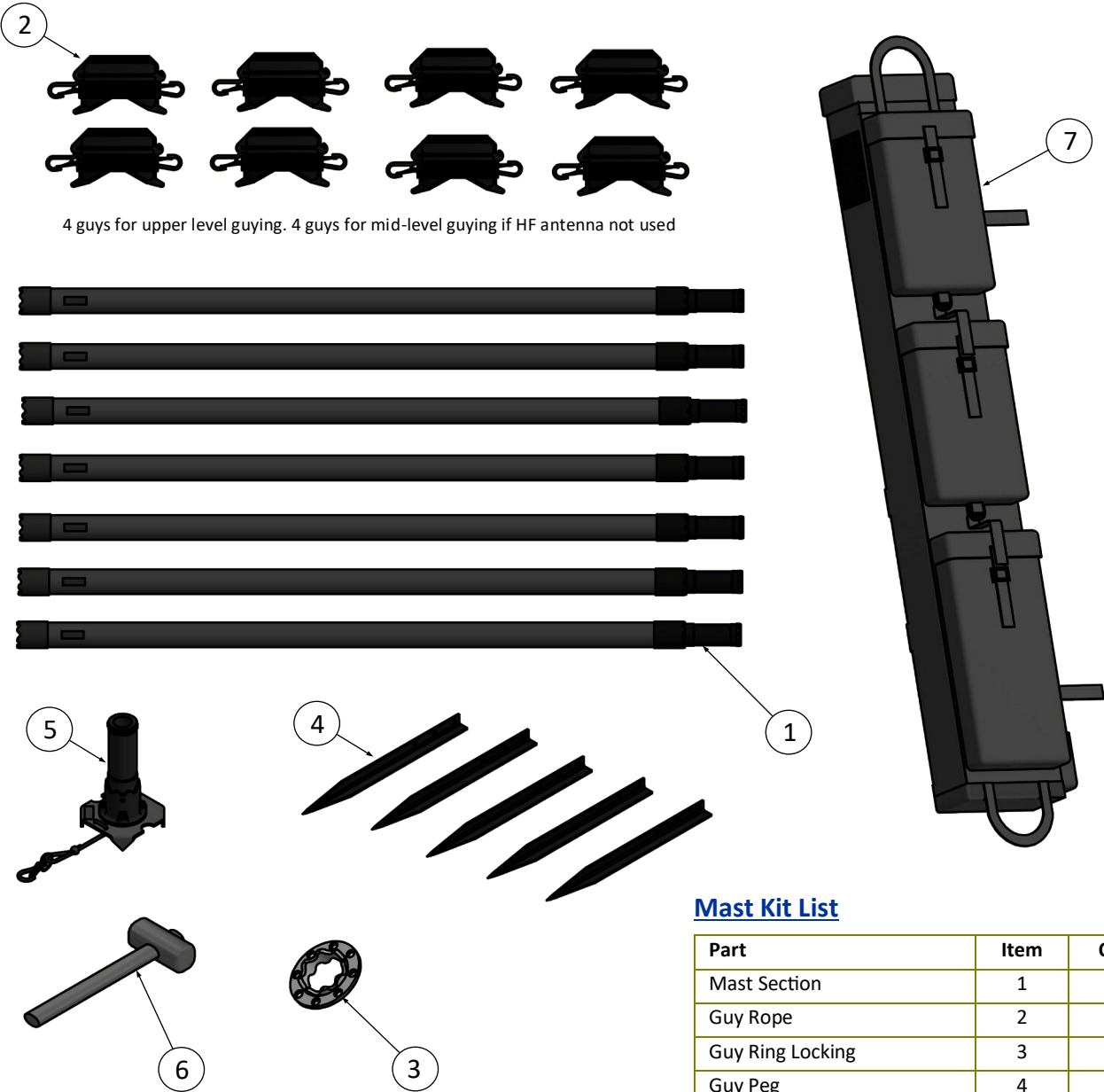
HF Wire Antenna Kit List

Part	Item	Qty
HF Center Junction and Feed Cable	1	1
HF Dipole Element on Winder	2	4



Specification - Mast Assembly

Mast sections	Fiberglass tube outside diameter Ø 1.75 in (Ø 44.5 mm), 52 in (132 cm) long. Green, tan or black paint finish.
Total mast kit weight	32.7 lbs (14.9 kg)
Top interface	Ø 1.53 in (Ø 39 mm) OD spigot, 4 in (100 mm) long (to fit 1.57 in (40 mm) socket)
Guys	4 x upper and 4 x middle guys (not used if HF antenna is deployed). 1/8 in (3 mm) braided rope on winder with adjustable lock and snap hooks each end
Guy pegs	5 pcs steel
Base support	Baseplate
Wind speed	60 mph (96 km/h), including gust
Temperature range	-67°F, +131°F, -55°C, +55°C



Mast Kit List

Part	Item	Qty
Mast Section	1	7
Guy Rope	2	8
Guy Ring Locking	3	1
Guy Peg	4	5
Baseplate	5	1
Hammer	6	1
Carrying Bag	7	1

System Weight:
54 lbs (24.5kg)

