



DETAMS deployed

- Tactical kit includes two Tri-band Antennas mounted on a 50 ft (15 m) Mast Kit
- Antenna frequency range:
VHF (30-88MHz), UHF (225-450MHz),
L-Band (1200-2600MHz)
- Single port Antenna design reduces cabling to Antennas
- Antenna tripod included for ground level deployment
- Coaxial Cables and Triplexers included
- 50 ft (15 m) composite tripod sectional support mast
- Complete kit supplied in three compact bags
- System can be deployed by two operators in 20 minutes



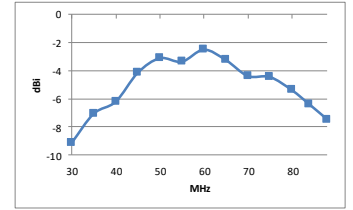
Antenna and Mast Kit supplied in three compact carrying bags



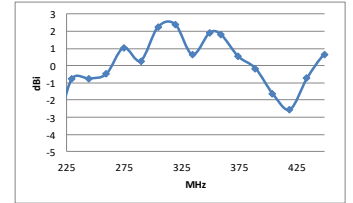
Antenna and Mast Kit removed from bags

Specification - Antenna Assembly

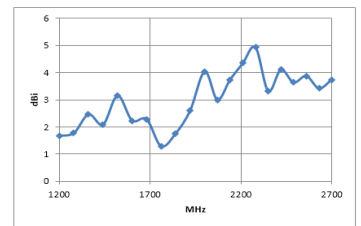
	VHF	UHF	L-Band
Frequency range	30-88 MHz	225-450 MHz	1200-2600 MHz
VSWR	< 3.5	< 3.0	< 3.0
Nominal impedance	50 Ω		
Power rating	75 W	75 W	50 W
Radiation pattern	Omnidirectional within ± 2 dB		
Polarization	Vertical		
Connector	N type Female		
Design	VHF monopole, UHF dipole, L-band dipole elements. Radiating elements completely enclosed in epoxy/ fiberglass laminate. Metal parts are brass, aluminum and stainless steel.		
Height	10 ft (3.1 m) - Antenna + Antenna Tripod		
Weight	Whip: 3 lbs (1.4 kg), Tripod: 8.5 lbs (4 kg)		
Wind rating	125 mph (55 m/s)		
Finish	Polyurethane lacquer		
Temperature range	-67°F to +160°F, -55°C to +71°C		



VHF gain, dB rel. 1/4 wave resonant whip in centre of 3x3m ground plane



UHF gain, dBi



L-band gain, dBi

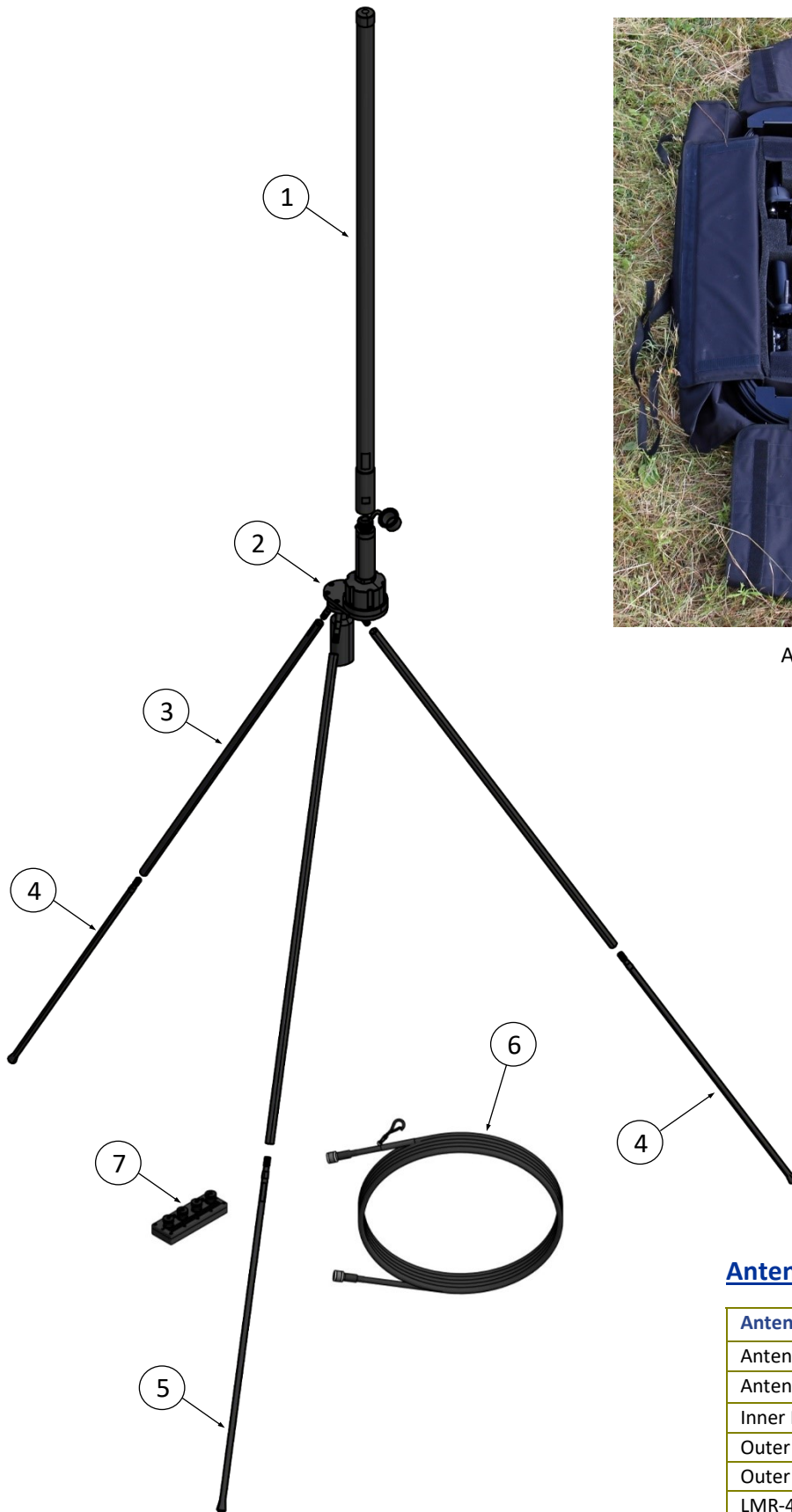


Antenna Assembly



Antenna Bag (parts removed)

Antenna Assembly (x2)



Antenna Bag (Packed)

Antenna Kit List

Antenna Kit (Bag 3)	Item	Qty
Antenna Whip	1	2
Antenna Mast Adaptor	2	2
Inner Radial I	3	6
Outer Radial D	4	4
Outer Radial C	5	2
LMR-400 Cable 82 ft (25 m)	6	2
Triplexer	7	2
Securing Strap (not shown)	-	2
Cable Stake (not shown)	-	1
Carrying Bag 3 (not shown)	-	1
Roll Bag (not shown)	-	1

Specification - Mast Kit

Maximum height	50 ft (15 m)
Tube diameter	1.89 in (48 mm)
Mast section length	43 in (1092 mm)
Maximum headload *	44 lbs (20 kg)
Maximum wind speed:	
Deployment	25 mph (40 km/h)
Operation	56 mph (90 km/h)
Survival	93 mph (120 km/h)
Total mast kit weight	107 lbs (48 kg)
Guy radius	50 ft (15 m)
Top load interface	∅ 1.65 ins (∅ 41.8 mm) spigot
Temperature range	+55°C (131 °F) to -40°C (-40 °F)
Anchoring	3 locations at 120°
Guying - 2 levels	Lower level - Kevlar/Polyester Rope Upper level - Kevlar/Polyester Rope
Standard colors	Green, Tan or Black

* Subject to wind surface area



Mast Bags

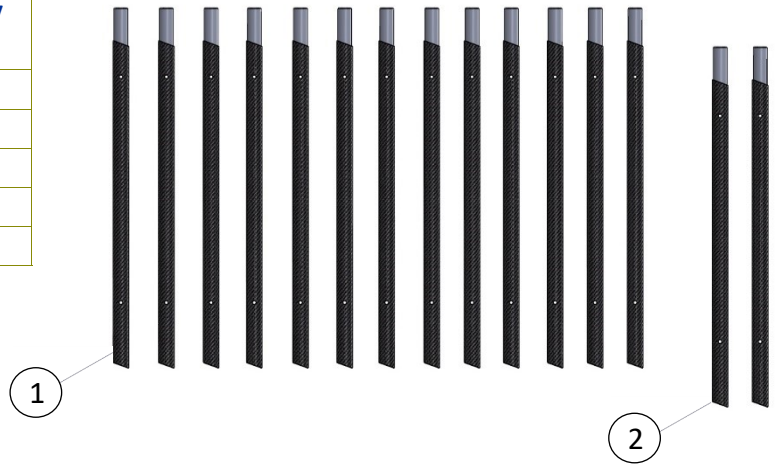


Mast Central Guying System

Mast Kit List

Description (Bag 1)	Item	Qty
Mast Section (carbon fiber)	1	13
Mast Section (glass fiber) *	2	2
Lower Guy Rope	3	3
Radius Rope	4	1
Transportation Bag (not shown)	-	1

* RF invisible glass fiber sections installed next to lower antenna



Description (Bag 2)	Item	Qty
Mast Tripod Assembly	5	1
Anchor Stake	6	6
Cross Pin	7	2
Lower Antenna Bracket	8	1
Central Guying System	9	1
Guying Collar	10	1
Guy Stake	11	3
Fast Tensioner	12	3
Lifting Handle	13	1
Hammer	14	1
Stake Roll-Up Bag (not shown)	-	1
Transportation Bag (not shown)	-	1



Weights and Dimensions

Mast Bags: Bag 1 = 45 lbs (20 kg)
Bag 2 = 62 lbs (28 kg)

Antenna Bag: Bag 3 = 63 lbs (29 kg)

