

## AH53 Series

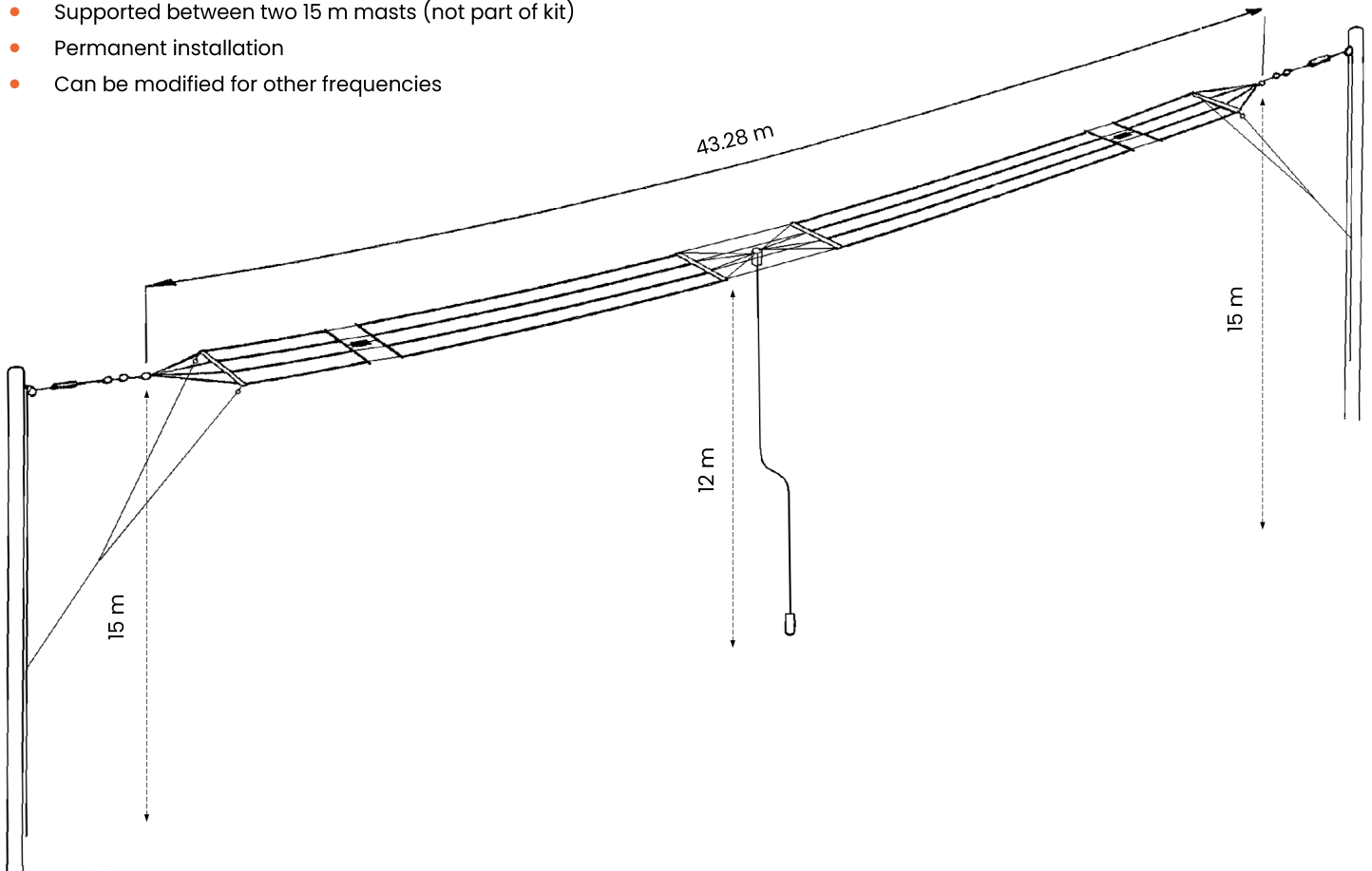
HF broadband wire antenna, 400 W and 1 kW versions, 2 x 22 m, 2-30 MHz

### Tactical Antennas: Tactical and Base Station



### Features

- 2 - 30 MHz
- 400 W and 1 kW versions available
- With loads to obtain broad band characteristics
- Permits fast frequency shifts as it does not require adjustment
- Supported between two 15 m masts (not part of kit)
- Permanent installation
- Can be modified for other frequencies



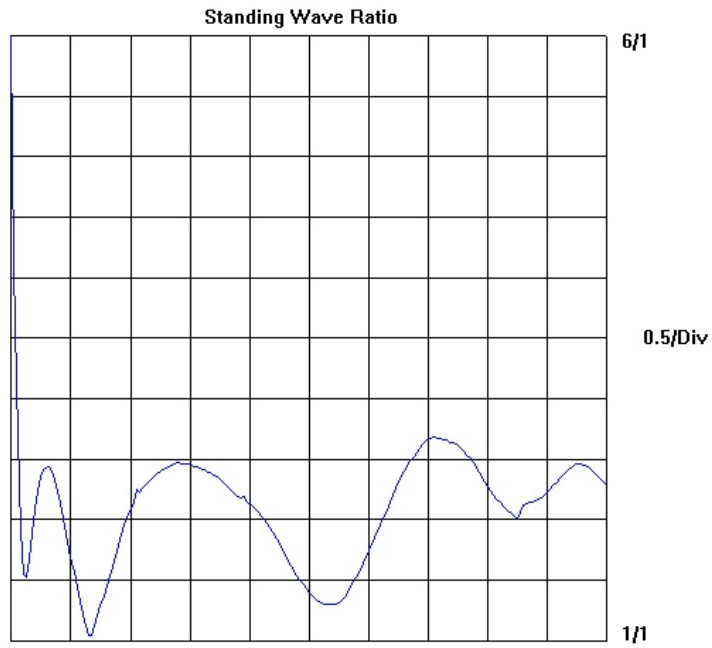
### Electrical Specifications

<b>Frequency Range</b>	2-30 MHz
<b>VSWR</b>	$\leq 3:1$ (see diagram)
<b>Nominal Impedance</b>	50 $\Omega$
<b>Power Rating</b>	<b>AH53-400</b> 400 W CW (500 W CW 30 mins) <b>AH53-1000</b> 1000 W CW
<b>Radiation Pattern</b>	See diagram
<b>Connector</b>	N type female

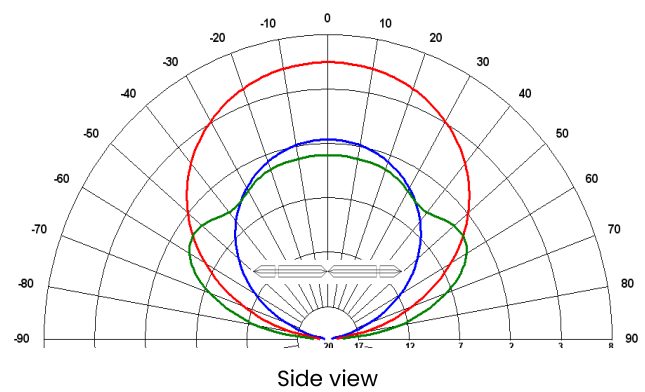
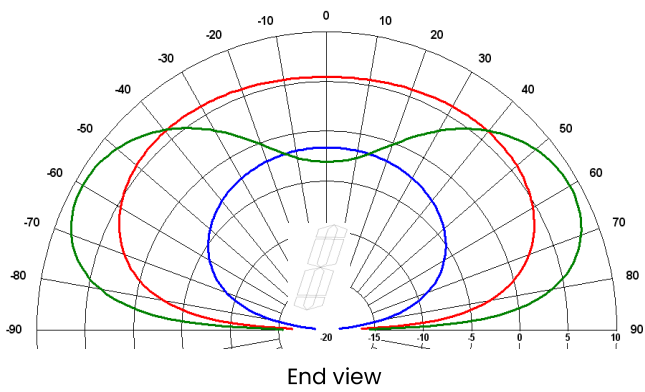
### Mechanical Specifications

<b>Design</b>	Centre fed dipole with loaded dipole arms
<b>Length</b>	43.28 m
<b>Width</b>	2.1 m
<b>Weight, Total</b>	<b>AH53-400</b> 38.5 kg <b>AH53-1000</b> 43.5 kg
<b>Weight, Centre Section</b>	6 kg
<b>Wind Rating</b>	55 m/s
<b>Temperature Range</b>	- 55°C to + 71°C

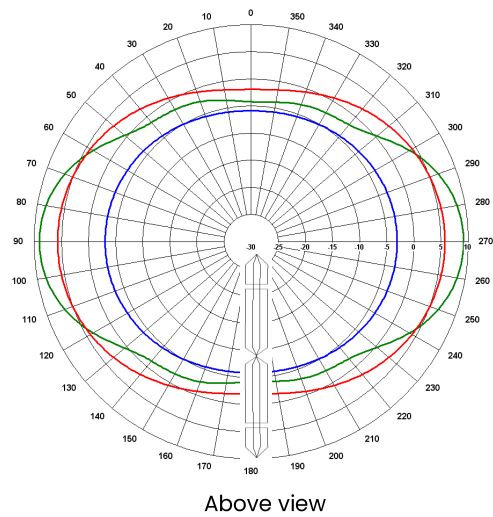
# VSWR



## Typical Radiation Patterns



3MHz @  $q=30^\circ$   
 6MHz @  $q=40^\circ$   
 10MHz @  $q=50^\circ$



September 2018

All specifications are subject to change without notice  
 The information contained herein is for reference only and does not constitute a warranty of performance

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