



## BBA - 600VE HF ANTENNA

### HF BROADBAND MULTIWIRE DIPOLE

Our flagship model and all-round best performer to date is the BBA series of Base Fixed Station HF antennas.

Highly efficient, engineered to meet the exacting standards of professional users, yet comparatively affordable, the BBA series has much to offer to many different sectors of private and commercial use.

The Bushcomm BBA is adaptable enough to suit a wide range of installation situations - between two purpose built towers at a professional site, between a tree and the back shed, or even in an inverted "V" configuration\*.

Light yet sturdy construction ensures low total mass wind loading. The highest quality materials are used in construction, such as stainless steel wire and fittings, and UV resistant fibreglass rods, to produce an antenna that will survive the rigours of the outdoors for many years.

There are many variants in the BBA family with sizes and power ratings to suit a wide range of applications.

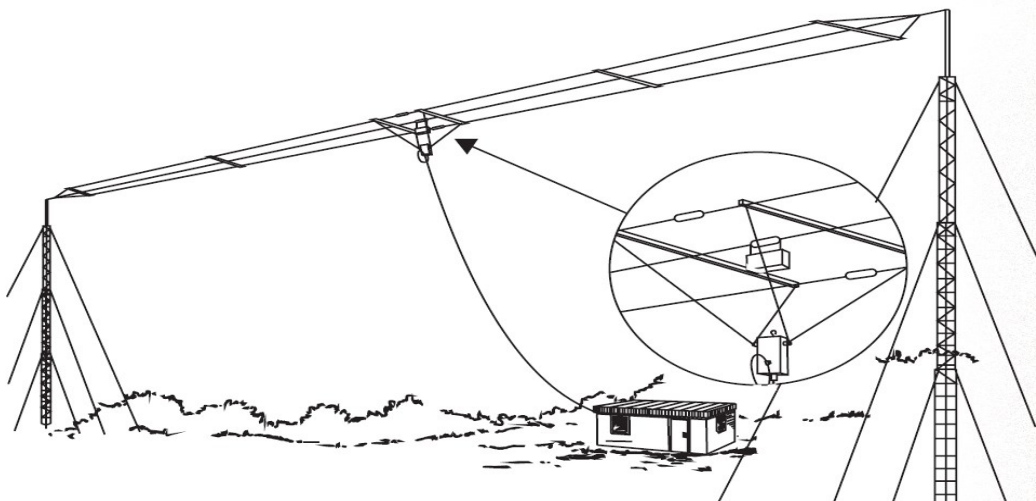
## **DR** DIGITAL HF VOICE & DATA RADIO COMPATIBLE

### FULL BBA FAMILY:

- \* BBA100V - 125w PEP Voice
- \* BBA100C - 130w continuous
- \* BBA100CS - 130w continuous, short
- \* BBA100CE - 130w continuous, long
- \* BBA-600VS - 600w PEP, short
- \* BBA600V - 600w PEP
- \* BBA600VE - 600w PEP, long
- \* BBA1kD - 1kW continous
- \* BBA1kDE - 1kW continous, long
- \* BBA1kCF - 1kW continous, extra long

### SPECIAL FEATURES

- 1.8-30mhz
- No tuner required
- S/S wire and fittings
- UV resistant rod & balun/load boxes
- Easy installation (instruction provided)
- Variation of length and power available
- Configurable in horizontal or inverted V
- Suitable for continuous data





## Specification Summary

SPECIFICATION	
<b>ELECTRICAL</b>	
Frequency Range	1.8 - 30MHz
Nominal Input Impedance	50 Ohm
VSWR (typical)	Better than 2:1
Gain	5dBi (typical) -6dBi at 1.8 (typical)
Power Rating:	250W data/ 600W voice
Input connector:	UHF Type socket (S0239)
<b>MECHANICAL</b>	
Operating Temperature	-30°C to +50°C
Storage Temperature	-40°C to +85°C
Ice Loading	0.6cm , with reduced wind loading
Shipping Weight:	Approx 7kg
Antenna Length	54 metre
Radiating elements	2mm Stainless Steel (G304)
Wind Rating	210 km/hr**
Mast Spacing	56m horizontal; tower spacing, 40m footprint Inverted V ***



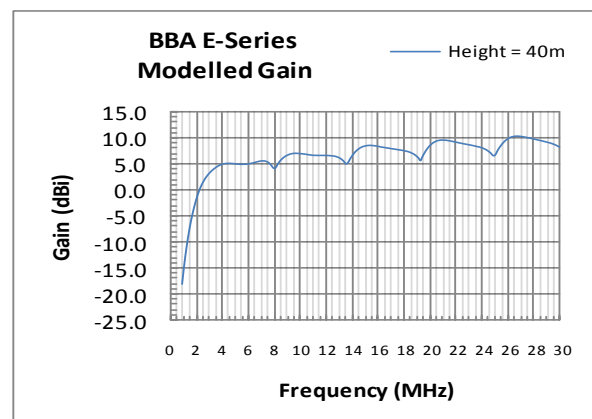
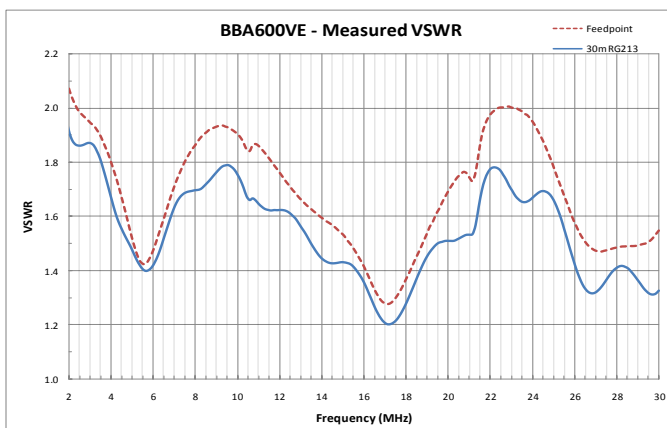
**Above:** Bushcomm Balun showing Pigtail strain relief feature\*\*\*\*

\* Recommended Mast Height - 10m minimum

\*\* In accordance with AS1170.2 – 1989 SAA Loading Code – Wind Loads

\*\*\* Approximate spacing. Will vary location to location and depending on preference

\*\*\*\* Coaxial cable not included, can be purchased separately



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