

## DATA SHEET

### Sigma Euro-Comm SE-HF 360 Fibre Glass Vertical antenna

The Sigma Euro-Comm Ltd HF-360 is an end fed vertical antenna, capable of allowing the user to work 80 meters through to 6 meters using an ATU. The antenna should be ideally metal pole mounted at ground level or elevated depending on the user's personal requirements. The power rating is for intermittent amateur **(400W CW or 400W SSB) use and not for AM broadcast or constant carrier data modes**. For AM broadcast a much higher power BALUN is required. The antenna comes with fixings and installation guide.

How it works: The antenna is fed using 50 Ohm coax via a SO-239 socket at the base of the unit. A 6:1 UNUN transformer is located in an IP65 weather sealed box at the bottom of the bracket section of the fibre glass elements. The antenna comes in four parts, three fibreglass poles and one stainless steel tapered whip. The transformer reduces the impedance at the feed point to a more acceptable level making the antenna much more efficient and allowing proper and easy tuning via an external ATU and most automatic ATU's found in most modern radios.

The antenna can be grounded if the user experiences excessive local static noise, but as the UNUN is DC grounded: grounding will not affect the tuning ratios.

**The Highlighted bands in the chart below will require a manual ATU, the others an internal ATU.**

BAND	ATU	
80 m	1:3.1 (Manual ATU)	<b>Specifications</b>  Type End fed vertical  Frequency TX / 3.5 - 52 MHz  RX / 1.8 - 55 MHz  Power handling 400 watts pep  Impedance 50 Ohms  Connector SO-239  Length 5.5 meters 18 feet
60 m	1:1	
40 m	1:1	
30 m	1:1	
20 m	1:1	
17 m	1:1 (Manual ATU)	
15 m	1:1	
12 m	1:1 (Manual ATU)	
10 m	1:1	
6 m	1:1 (Manual ATU)	

Please use a good quality 50 Ohm coax, RG-213 or Mini 8 are probably the best choice.