

- **Classical EMC test antennas**

Although broadband antennas are used for day-to-day EMC measurements, especially when swept techniques are used, there are a number of applications when a fixed frequency half-wave dipole can give an improved performance. It is preferable, and in some cases required, to make site attenuation measurements using dipoles. The VDA 6116A covers the frequency range 30 - 300MHz and has an identical balun to the VBA 6106A broad-band biconical antenna. The UHA 9105 dipole covers the frequency range 300MHz - 1GHz. These antennas are mechanically compatible with most Schaffner EMC mast and tripod systems.



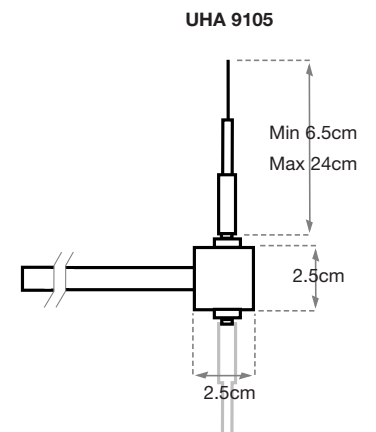
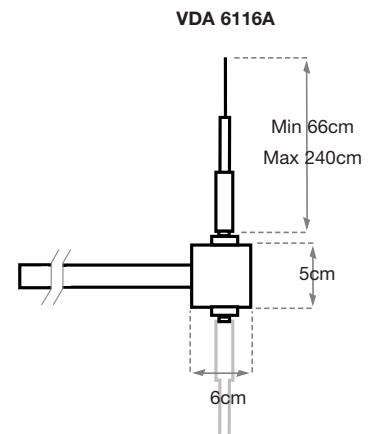
VDA 6116A

Options

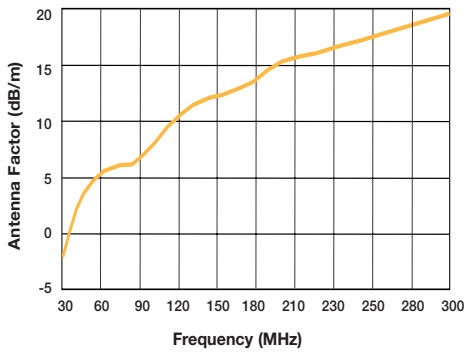
UKAS Calibration

Schaffner EMC Systems is UKAS accredited for antenna calibration and can offer a UKAS calibration as an additional costed option.

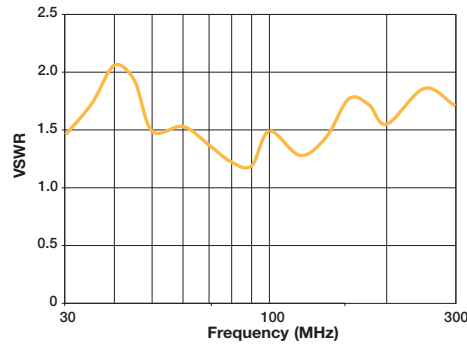
UKAS calibration provides reduced measurement uncertainties and additional data includes the voltage reflection coefficient for calculation of measurement uncertainties. Data is provided on disk as well as in graphic and tabulated format as hard copy.



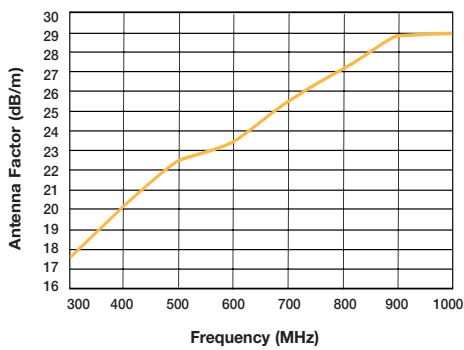
Typical Antenna Factor VDA 6116A



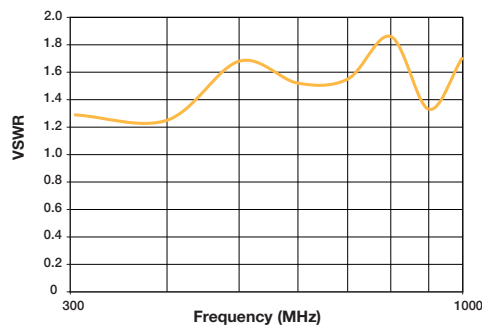
Typical VSWR VDA 6116A



Typical Antenna Factor UHA 9105



Typical VSWR UHA 9105



Technical Specifications	VDA 6116A	UHA 9105	VDA 6116A	UHA 9105
Frequency range	30MHz - 300MHz	300MHz - 1GHz	Element length	4.85m Max.
Output impedance (nominal)	50Ω	50Ω	Assembled	51cm
Connector	N Female	N Female	Weight	1.2kg