

Biconical UHF Broadband Test Antenna

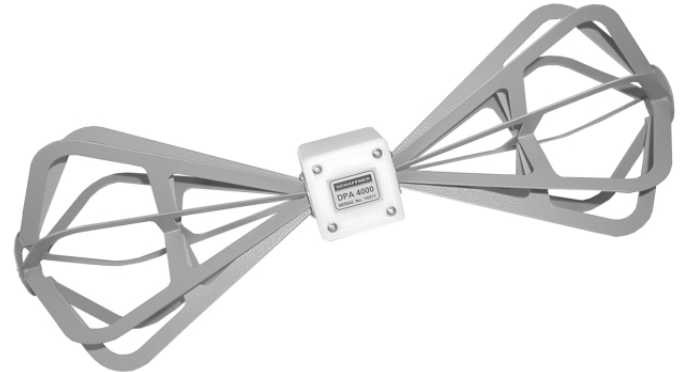
The dipole antenna DPA 4000 operates as a field strength measuring antenna in the frequency range 300MHz - 1GHz. Due to the broadband characteristics of the DPA 4000, mechanical adjustments are not required as with half-wave dipoles. The DPA 4000 is, therefore, suitable for automatic and day-to-day EMI/EMC measurements. Despite the broadband characteristics, it reaches virtually the same gain, directivity and antenna factor of tuned half-wave dipoles.

The DPA 4000 is constructed so that it can be converted easily to a Reference Radiation Source in combination with the Reference Spectrum Generator RSG 1000.

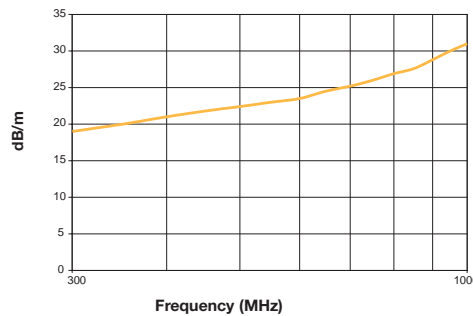
The DPA 4000 complies with the requirements for EMI measuring antennas as under CISPR 16 and derived standards.

Options

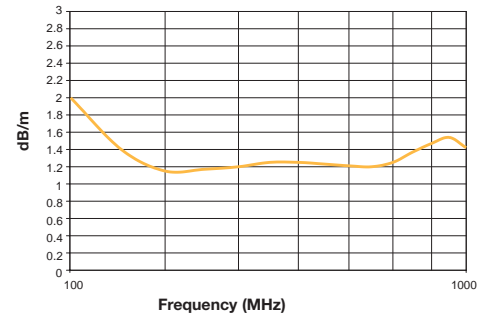
Calibration of antenna factor according to ANSI C63.5



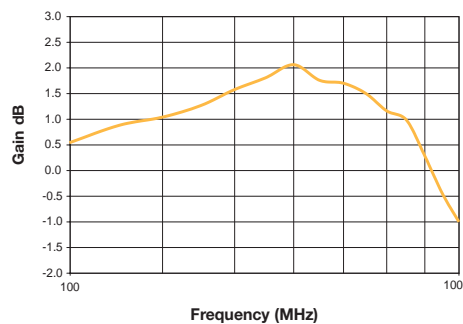
Typical Antenna Factor



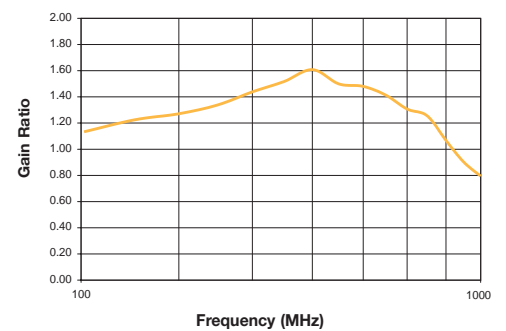
Typical VSWR



Typical Gain



Typical Gain Ratio



Technical Specifications	DPA 4000
Antenna type	Broadband Biconical Dipole
Frequency Range	300MHz - 1GHz
Output impedance	50Ω Nominal
Connector	N Female
VSWR	≤ 2.5 300 - 350MHz ≤ 2.0 350 - 1000MHz
Antenna Factor	19 - 32dB/m typ.
Dimensions (mm)	405 x 150 x 150
Weight (kg)	0.52