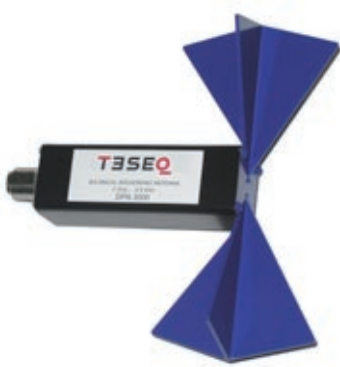




DPA 3000 BICONICAL DIPOL ANTENNA 800 to 2800 MHz



The dipole antenna DPA 3000 operates as a field strength measuring antenna in the frequency range 800 to 2800 (3000*) MHz. The DPA 3000 is constructed so that it can be converted easily to a Reference Radiation Source in combination with the Reference Spectrum Generator RSG 3000. It provides reference measurements between open area test sites and alternative facilities as e.g. anechoic chambers and GTEM-cells.

It may be used for calibration of these alternative facilities as well as for quick checks of antennas and test set-ups. Further this combination can be used to measure the attenuation of absorbing material or the shielding effectiveness of screening materials.

*) with VSQ 3000/3002

DPA 3000

- Ideal for test site verification and in-situ measuring
- Can be combined with a comb generator as Reference Radiation Source
- Light weight and very compact

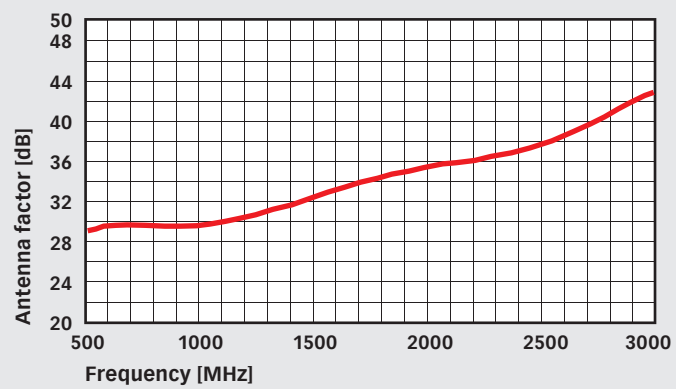
Technical specifications

| | |
|-----------------------|--|
| Antenna type: | biconical dipole antenna |
| Polarisation: | linear |
| Frequency range: | 800 MHz to 2800 (3000*)MHz |
| Antenna factor, typ.: | 30 dB/m to 38 dB/m (0.8 GHz to 2.5 GHz) |
| Isotropic gain, typ.: | -2.0 dB to +1.5 dB (0.8 GHz to 2.5 GHz) |
| VSWR, typ.: | ≤ 2.5 (1.0 GHz to 2.5 GHz) |
| Symmetry, typ.: | ≤ 0.2 dB |
| Cross-polar response: | > 20 dB |
| Output impedance: | 50 Ω, nominal |
| Connector: | N female |
| Max. power (cw): | 10 W |
| Size (L x W x H): | 155 mm x 155 mm x 75 mm |
| Support length: | 95 mm |
| Weight: | 180 g |
| Recommended tripods: | BTP 6010 + BAA 6001 + CHA 9425A or BTP 6020A + BAA 6001 |
| *) with VSQ 3000/3002 | |

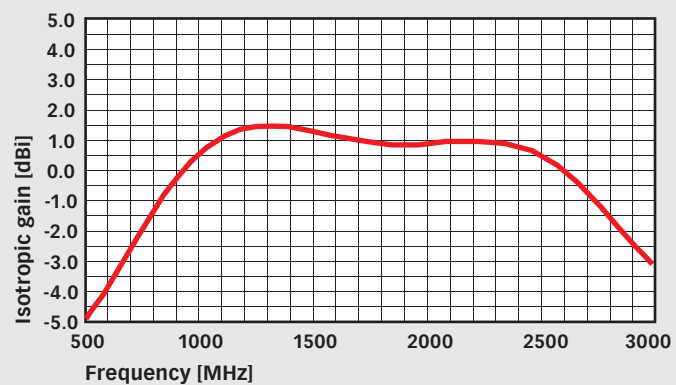
DPA 3000

BICONICAL DIPOL ANTENNA 800 to 2800 MHz

Typical antenna factor



Typical gain

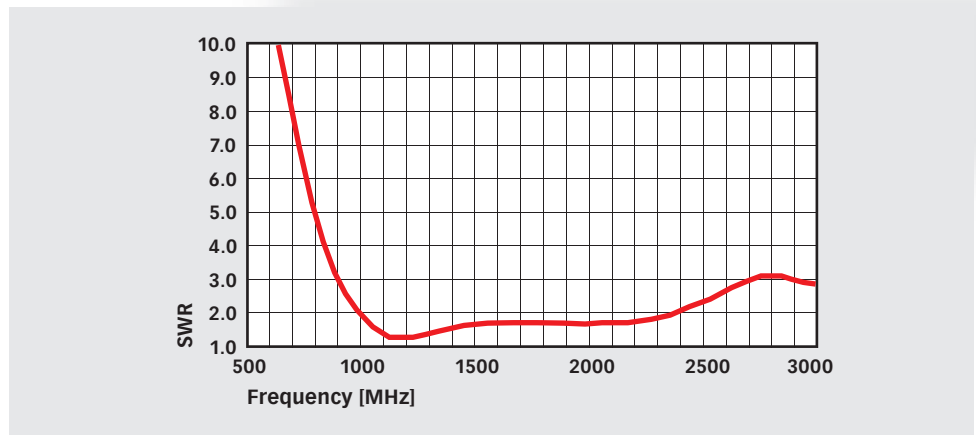




DPA 3000
BICONICAL DIPOLE ANTENNA 800 to 2800 MHz



Typical SWR



DPA 3000

BICONICAL DIPOL ANTENNA 800 to 2800 MHz

Delivery information

| Part number | Description |
|-------------|---|
| 244570 | DPA 3000 Dipol antenna 800 MHz - 2.8 GHz |
| 97-244570 | Ant Cert-TC Traceable calibration (ISO17025), order only with the antenna, free space calibration (horizontal), other calibrations on request |
| 234304 | BTP 6010 Tripod for DPA 3000/ 4000 included in VSQ 1000/ 300x |
| 244579 | BAA 6001 Dipol antenna tube for DPA 3000/ 4000, included in VSQ 300x |
| 348-801 | CHA 9425A Enables antennas with 22mm tube to fit on to masts but bolts onto the top of the boom. This does alter the position of the antenna when it is re-polarised but allows easy antenna changes or 1/4 " tripod thread. |
| 248504 | BTP 6020A-0880 EMC Tripod with tube 880 mm and mounting head for antennas with 22 mm tube |
| 248505 | BTP 6020A-0680 EMC Tripod with tube 680 mm and mounting head for antennas with 22 mm tube |
| 248523 | BTP 6020A-1370 EMC Tripod with tube 1370 mm and mounting head for antennas with 22 mm tube |
| 244525 | VSQ 3000 Reference radiation source 800 MHz - 3 GHz (RSG 3000 + DPA 3000 + Tripod + Suitcase) |
| 244527 | VSQ 3002 Reference radiation source 30 MHz - 3 GHz (RSG 3000 + DPA 4000 + DPA 3000 + Tripod + Suitcase) |
| 97-244525 | VSQ 3000- FAR-TC Traceable calibration (ISO17025) of VSQ 3000, 1 GHz -3 GHz, 10 MHz step, FAR, 3 m distance |
| 97-244526 | VSQ 3002-GTEM-FAR-TC Traceable calibration (ISO17025) of VSQ 3002, 30 MHz - 1 GHz GTEM, 1 - 3 GHz FAR, 3 m distance |
| 97-244527 | VSQ 3002-SAC-FAR-TC Traceable calibration (ISO17025) of VSQ 3002, 30 MHz - 1 GHz SAC, 1 - 3 GHz FAR, 3 m distance |

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