

# AS-05

Antenna Set 30 MHz to 18 GHz



## Main Features

- 30 MHz to 18 GHz frequency range
- Excellent Antenna Factor
- Tripod adapter for easy vertical-horizontal polarization change
- Individual calibration
- Robust, rustproof aluminium construction
- Lightweight

AS-05 is a compact size broadband Antenna System composed of a BC-01 Biconical Dipole, LP-04 Log Periodic Dipole Array and DR-01 Double Ridged horn Antenna designed for radiated emissions and immunity testing.

It can be used in conjunction with any receiver or spectrum analyzer.

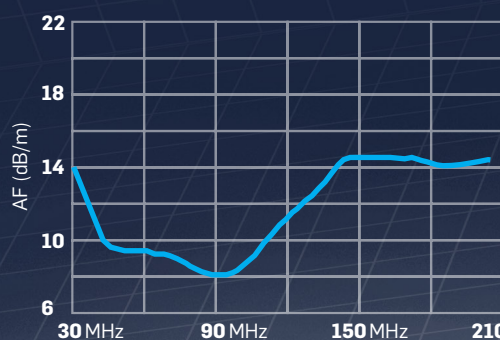
Its ideal companion is the EMI Receiver Unit 9060 and 9180 that can be easily mounted on the antenna mast (\*).

(\*)The direct connection between antenna and PMM Receiver Unit eliminates additional sources of uncertainties due to coaxial cable attenuation and scattering. For further information please consult our brochure "Fully CISPR-Compliant Digital EMC/EMI receivers 10 Hz to 18 GHz".

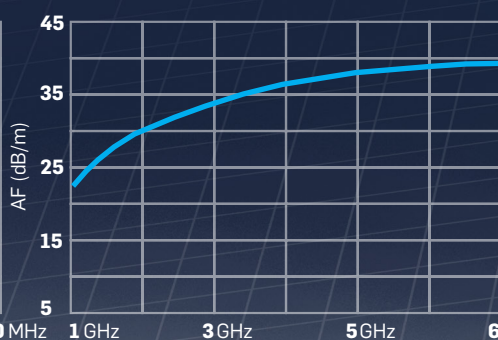
# AS-05

## Antenna set 30 MHz to 18 GHz

| SPECIFICATIONS         | BC-01                | LP-04                 | DR-01                 |
|------------------------|----------------------|-----------------------|-----------------------|
| Frequency range        | 30 to 200 MHz        | 200 MHz to 6 GHz      | 6 to 18 GHz           |
| Gain                   | -15 +2 dBi typical   | 6 dBi typical         | 9 to 16 dBi typical   |
| Antenna factor         | 8 to 14 dB/m typical | 12 to 40 dB/m typical | 36 to 41 dB/m typical |
| Max input power        | 100 W                | 100 W                 | 150 W                 |
| Connector              | N-female             | N-female              | N-female              |
| Dimensions (L x H x W) | 65 x 65 x 137 cm     | 78 x 10 x 75 cm       | 55 x 44 x 177 mm      |
| Weight                 | 1,8 kg               | 1,1 kg                | 0,25 kg               |
| Colour                 | RAL 7035             | RAL 7035              | RAL 7035              |
| Impedance              | 50 $\Omega$ nominal  | 50 $\Omega$ nominal   | 50 $\Omega$ nominal   |
| Construction           | Aluminium            | Aluminium             | Aluminium             |



BC-01 - Antenna Factor



LP-04 - Antenna Factor



DR-01 - Antenna Factor

### Ordering Information:

**AS-05 antenna set** 30 MHz to 18 GHz with individual calibration reports.  
**AS-05/TC antenna set** 30 MHz to 18 GHz with typical calibration reports.  
 Includes: BC-01 biconical antenna; LP-04 Log-periodic antenna; DR-01 Double-ridged antenna; TR-01 wooden tripod; RF cable, 6 GHz, N(m)-N(m), 5 m; Soft carrying case; Rigid carrying case (for DR-01), Operating manual; Calibration reports\*.

\* Individual calibration reports are provided with AS-05.

AS-05/TC does not include individual calibration but typical antenna factor.

### Optional accessories:

Additional TR-01 Wooden tripod extensible 60 - 180 cm with antenna mounting adapter for fast horizontal to vertical polaritazion changing.  
 Additional RF cable, 3 GHz, N(m)-N(m), 5 m.

## Related Products

### Receivers

- 7010/00: EMI receiver 150 kHz to 1 GHz
- 7010/01: EMI receiver 9 kHz to 1 GHz
- 7010/03: EMI receiver 9 kHz to 3 GHz
- 9010: EMI receiver 10 Hz to 30 MHz
- 9010F: EMI receiver 10 Hz to 30 MHz
- 9010/03P: EMI receiver 10 Hz to 300 MHz
- 9010/30P: EMI receiver 10 Hz to 3 GHz
- 9010/60P: EMI receiver 10 Hz to 6 GHz
- 9030: EMI Receiver 30 MHz to 3 GHz
- 9060: EMI Receiver 30 MHz to 6 GHz
- FR-4003: Field Receiver 9 kHz to 30 MHz

### Antennas

- LP-02: Log Periodic Antenna 200 MHz to 3 GHz
- LP-03: Log Periodic Antenna 800 MHz to 6 GHz
- TR-01: Antenna Tripod
- VDH-01: Van der Hoofden test-head 20 kHz to 10 MHz
- Antenna Set AS-02 (BC01+LP02+TR01)
- Antenna Set AS-03 (BC01+LP02+LP03+TR01)
- Antenna Set AS-04 (BC01+LP04+TR01)
- RA01: Rod Antenna 9 kHz to 30 MHz
- RA01-HV: Rod Antenna 150 kHz to 30 MHz
- RA01-MIL: Rod Antenna 9 kHz to 30 MHz

### Calibrations service

- Ansi 63,5 Antenna Factor
- SAE ARP 958-D
- Free-Space Antenna Factor



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