AS-06

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-06 is a compact broadband antenna set composed of a BC-01 Biconical Dipole, LP-02 Log Periodic Dipole Array, LP-03 Log Periodic Dipole Array and DR-01 Double Ridged Horn Antenna designed for radiated emissions and immunity testing that can be used in conjunction with any receiver or spectrum analyzer.

Its ideal companion is the EMI Receiver Unit 9060 or 9180, which can be easily mounted on the antenna mast.*

*The direct connection between antenna and PMM receiver 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”.

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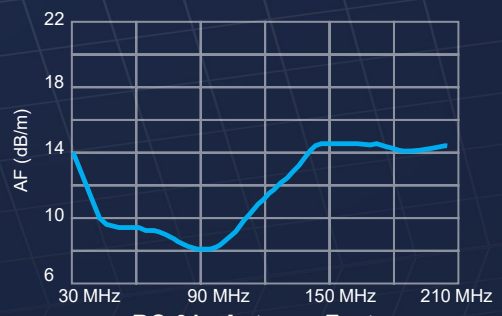
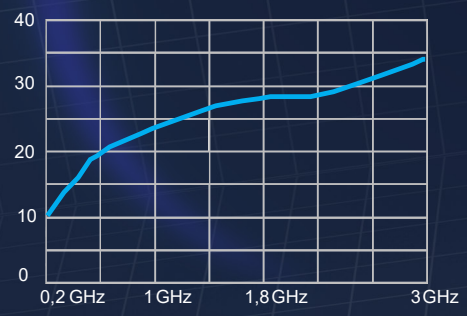
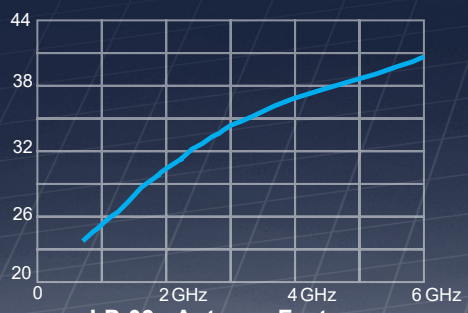
SPECIFICATIONS	BC-01	LP-02	LP-03	DR-01
Frequency range	30 to 200 MHz	200 MHz to 3 GHz	800 MHz to 6 GHz	6 to 18 GHz
Gain	-15 +2 dBi typical	6 dBi typical	3,5 to 6,5 dBi typical	9 to 16 dBi typical
Antenna factor	8 to 14 dB/m typical	13 to 36 dB/m typical	23 to 42 dB/m typical	36 to 41 dB/m typica
Max input power	100 W	100 W up to 1 GHZ 50 W up to 3 GHz	75 W	150 W
Connector	N female	N female	N male (LP-03) N female (LP-03/F)	N female
Dimensions (L x H x W)	65 x 65 x 137 cm	70 x 10 x 86 cm	32,5 x 8,1 x 18,7 cm	55 x 44 x 137 mm
Weight	1,8 kg	1,1 kg	0,25 kg	0,25 kg
Colour	RAL 7035			
Impedance	50 Ω nominal			
Construction	Aluminium			



BC-01 - Antenna Factor



LP-02 - Antenna Factor



LP-03 - Antenna Factor

DR-01 - Antenna Factor

Ordering information:

AS-06 antenna set 30 MHz to 18 GHz with individual calibration reports.
AS-06/TC antenna set 30 MHz to 18 GHz with typical calibration reports.
Includes: BC-01 biconical antenna, LP-02 log-periodic antenna, LP-03 log-periodic antenna, DR-01 double-ridged antenna, TR01 wooden column tripod, antenna mounting adapter to change polarization, 5 meter/6 GHz/N(m)-N(m) RF cable, N(f)-N(f) adapter, soft carrying case, rigid carrying case (for DR-01), user's manual, calibration reports*

*Individual calibration reports are provided with AS-06. AS-06/TC does not include individual calibration but typical antenna factor reports

Optional accessories:

Additional **TR-01 set** includes:
TR01 60-180 cm wooden column extendable tripod,antenna mounting adapter to change polarization, soft carrying case.
Additional 5 meter/6 GHz/N(m)-N(m) **RF cable**.
Antenna Mounting kit **AMK-01**

Related products and services

Receivers

- 7010/01: EMI Receiver 9 kHz to 1 GHz
- 7010/03: EMI Receiver 9 kHz to 3 GHz
- ER8000/00 EMI Receiver 9 kHz to 30 MHz
- ER8000/01 EMI Receiver 9 kHz to 3 GHz
- ER9000/00 EMI Receiver 10 Hz to 30 MHz
- ER9000/01 EMI Receiver 10 Hz to 3 GHz
- 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
- 9180: EMI Receiver 6 GHz to 18 GHz
- FR-4003: Field Receiver 9 KHz to 30 MHz

Antennas

- BL-01: Biconical Log Periodic Antenna 30 MHz to 6 GHz
- LP-04: Log Periodic Antenna 200 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)
- Antenna Set AS-05 (BC01+LP04+DR01+TR01)
- Antenna Set AS-07 (BL01+TR01)
- Antenna Set AS-08 (BL01+DR01+TR01)
- RA-01: Rod Antenna 9 kHz to 30 MHz
- RA-01-HV: Rod Antenna 150 kHz to 30 MHz
- RA-01-MIL: Rod Antenna 9 kHz to 30 MHz

Calibration services

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

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