

# AS-03

Antenna Set 30 MHz to 6 GHz



## Main Features

- 30 MHz to 6 GHz frequency range
- Excellent antenna factor
- Tripod adapter for easy vertical-horizontal polarization change
- Individual calibration
- Robust, rustproof aluminium construction
- Lightweight

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

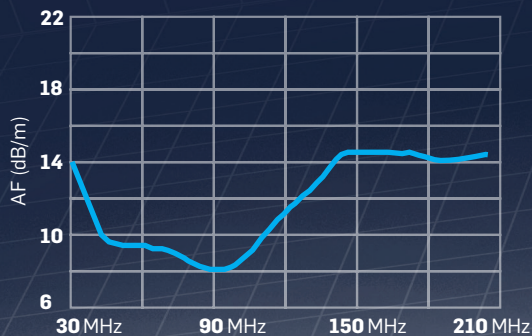
Its ideal companion is the EMI Receiver Unit 9060 that can be easily mounted on the antenna mast.\*

\*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".

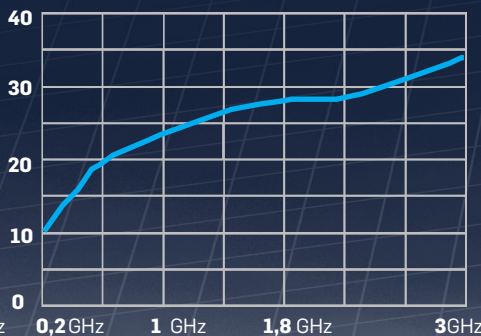
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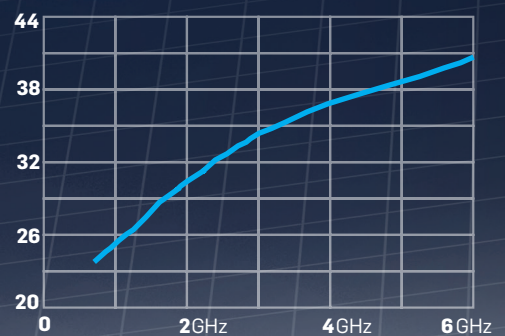
SPECIFICATIONS	BC-01	LP-02	LP-03
Frequency range	30 to 200 MHz	200 MHz to 3 GHz	800 MHz to 6 GHz
Gain	-15 +2 dBi typical	6 dBi typical	3,5 to 6,5 dBi typical
Antenna factor	8 to 14 dB/m typical	13 to 36 dB/m typical	23 to 42 dB/m typical
Max input power	100 W	100 W up to 1 GHz 50 W up to 3 GHz	75 W
Connector	N female	N female	N male (LP-03) N female (LP-03/F)
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
Weight	1,8 kg	1,1 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

### Ordering information:

**AS-03 antenna set** 30 MHz to 6 GHz with individual calibration reports.

**AS-03/TC antenna set** 30 MHz to 6 GHz with typical calibration reports.

Includes: BC-01 biconical antenna, LP-02 log-periodic antenna, LP-03 log-periodic 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, user's manual, calibration reports\*

\*Individual calibration reports are provided with AS-03

AS-03/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
- FR-4003: Field Receiver 9 KHz to 30 MHz

### Antennas

- BL-01: Biconical Log Periodic Antenna 30 MHz to 6 GHz
- DR-01: Double-ridged Horn Antenna 6 to 18 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-04 (BC01+LP04+TR01)
- Antenna Set AS-05 (BC01+LP04+DR01+TR01)
- Antenna Set AS-06 (BC01+LP-02+LP03+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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