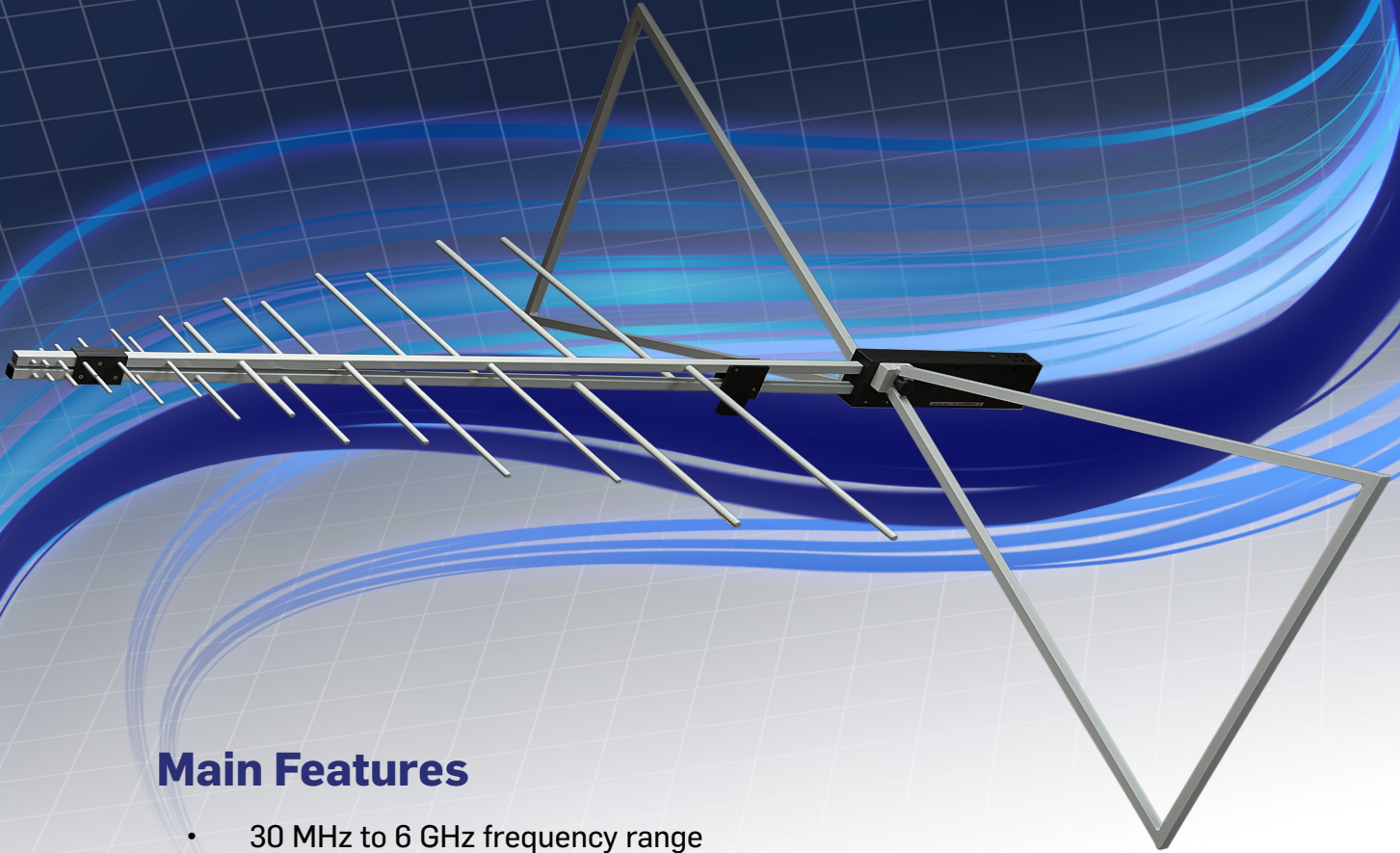


# BL-01

Bi-Conical Log-periodic antenna 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

BL-01 is a Bi-Conical Log-periodic 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, which can be easily mounted on the antenna mast.\*

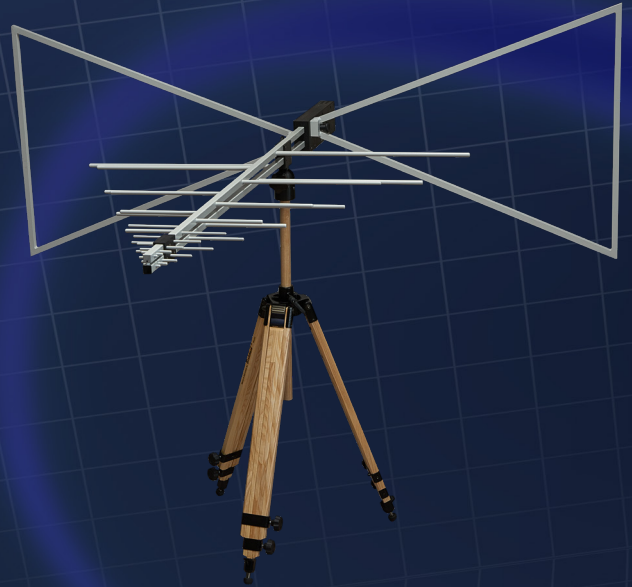
\*The direct connection between antenna and PMM receiver eliminates additional sources of uncertainties due to coaxial cable attenuation and scattering. For further information please consult our brochure "Fully CISPR-Compliant Digital EMC/EMI receivers 10 Hz to 18 GHz".

# BL-01

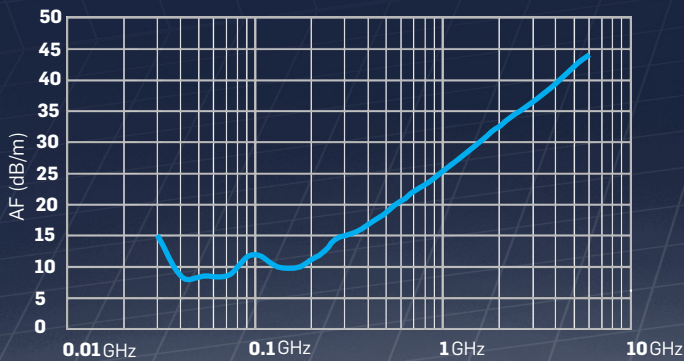
## Bi-Conical Log-periodic antenna 30 MHz to 6 GHz

### SPECIFICATIONS

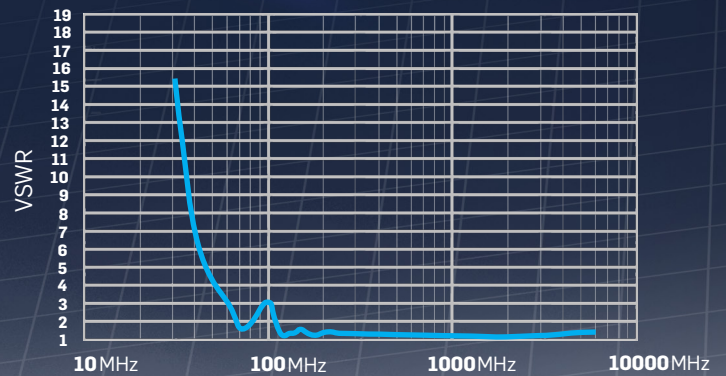
<b>Frequency range</b>	30 MHz to 6 GHz
<b>Impedance</b>	50 $\Omega$ nominal
<b>Gain</b>	-9 to +5 dBi typical
<b>Antenna factor</b>	8 to 45 dB/m typical
<b>VSWR</b>	
30 MHz	< 16:1 typical
60 to 120 MHz	< 4:1 typical
120 to 170 MHz	< 2:1 typical
170 MHz to 6 GHz	< 1.5:1 typical
<b>Construction</b>	Aluminium
<b>Max input power</b>	100 W @ 1 GHz 50 W @ 6 GHz
<b>Connector</b>	N female
<b>Dimensions (L x H x W)</b>	145 x 61 x 157 cm
<b>Weight</b>	5,5 kg
<b>Colour</b>	RAL 7035



BL-01 and tripod



BL-01 - Antenna Factor



BL-01 - VSWR

### Ordering information:

**BL-01** Bi-Conical Log-periodic Antenna with individual calibration report

**BL-01/TC** Bi-Conical Log-periodic Antenna with typical calibration report

Includes: user's manual, soft carrying case, calibration report

### Optional accessories:

#### TR-01 set

Includes: TR01 60-180 cm wooden column extendable tripod,  
antenna mounting adapter to change polarization, soft carrying case  
5 meter/6 GHz/N(m)-N(m) **RF cable**  
Antenna Mounting kit **AMK-02**

## 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
- FR4003: Field Receiver 9 kHz to 30 MHz

### Antennas

- BC-01: Biconical Antenna 30 to 200 MHz
- DR-01: Double-ridged Horn Antenna 6 to 18 GHz
- LP-02: Log Periodic Antenna 200 MHz to 3 GHz
- LP-03: Log Periodic Antenna 800 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-06 (BC01+LP02+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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