

## EMC Wideband Antenna MTA-60-6000

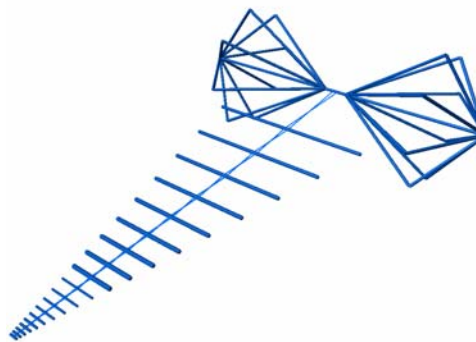
MTS-No. R65.10.0052

### Application

For the measurement of radio disturbances the standard CISPR 16 1-4 demands polarized wideband antennas. The antenna may not influence the total characteristics of the measurement receiver and must be alignable into it's polarization direction.

### Description

The EMC Wideband Antenna type MTA-60-6000 fulfills the requirements of the CISPR 16-1-4 for the frequency range of 60 MHz to 6000 MHz.



### Technical data

#### 1 RF-specifications:

- |                     |  |
|---------------------|--|
| 1.1 Impedance       | 50 $\Omega$ nom.   |
| 1.2 Frequency range | 60 MHz to 6000 MHz<br>20 MHz to 6000 MHz (effective use) |
| 1.3 VSWR input      | 60 MHz - 6000 MHz <1 : 2,0<br>20 MHz - 60 MHz >1 : 2,0   |
| 1.4 Gain            | 8 dBi typ.   |
| 1.5 Power handling  | 500 W (CW), 1000 W (peak)                                |
| 1.6 Polarization    | Linear, manual changeable                                |
| 1.7 Technology      | Hybrid   |

#### 2 Connectors:

- |                   |  |
|-------------------|--|
| 2.1 Antenna       | N female   |
| 2.2 Tripod socket | 5/8"-thread (tripod),<br>bore holes 10 mm (4 pcs.) |

#### 3 General specifications:

- |                                       |  |
|---------------------------------------|--|
| 3.1 Operating temperature             | +5 °C to +60 °C  |
| 3.2 Storage temperature               | -30 °C to +70 °C   |
| 3.3 Reference temp. of specifications | +5 °C to +60 °C  |
| 3.4 Dimensions (without connections)  | 1760 x 1335 x 400 mm,<br>1760 x 610 x 40 mm (transport.) |
| 3.5 Material                          | Aluminium and brass                                      |
| 3.6 Colour                            | Powder-coating RAL 5012                                  |
| 3.7 Weight                            | 5,0 kg   |

#### 4 Delivered parts:

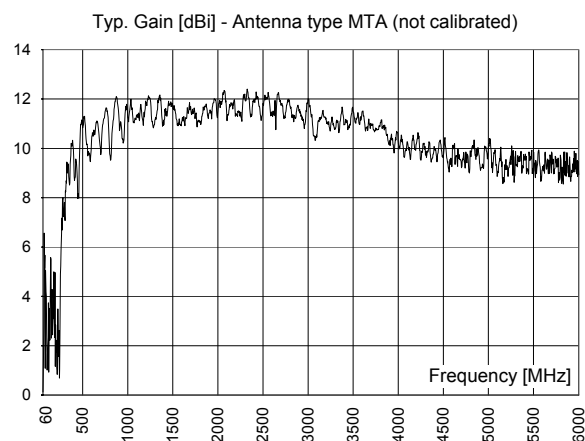
MTA-60-6000  
Tripod attachment  
CD-ROM with manual, VSWR diagram and correction values

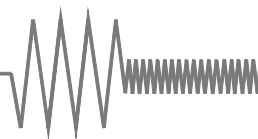
#### 5 Comments:

Warranty	12 months
RoHS compliant	Yes
Intervall of calibration	12 months

#### 6 Recommended accessories:

Measurement cable assemblies  
Tripod  
Preamplifier





## EMC Wideband Antenna MTA-60-6000

MTS-No. R65.10.0052

### Antenna factor:

