

EMC Wideband Antenna type MTA-60-3000

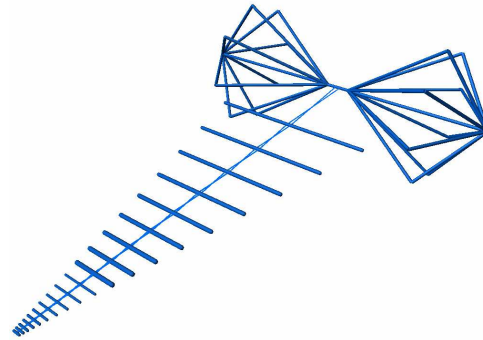
Item no. 11971

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 und must be alignable into it's polarization direction.

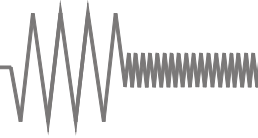
Solution

The EMC wideband antenna type MTA-60-3000 fulfills the requirements of the CISPR 16-1-4 for the frequency range of 60 to 3000 MHz.



Characteristics

- ▶ Wideband hybrid antenna
- ▶ Wide bandwidth (60 to 3000 MHz)
- ▶ High TX-Power (500 W)
- ▶ High gain (8 dBi)
- ▶ Measured according to MTS standards
- ▶ Compact design
- ▶ Small weight
- ▶ Powder-coating
- ▶ Including tripod attachment



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Technical datas:

Electrical specifications:

Frequency range:	60 to 3000 MHz 20 to 3000 MHz (effective use)
Impedance:	50 Ω nom.
VSWR input:	< 1 : 2,0 @ 60...3000 MHz > 1 : 2,0 @ 20...60 MHz
Gain:	8 dBi typ.
Power handling:	500 W (CW) 1000 W (Peak)
Polarization:	Linear, manual changeable
Technology	Logarithmical periodical

Comments:

Warranty:	12 month after date of shipment
Intervall of calibration:	12 month

Recommended accessories:

- measurement cable assembl.
- measurement tripod
- preamplifier

Connectors:

Antenna:	- N-female, 50 Ω
Tripod socket:	- 5/8"-threat (tripod) - bore holes 10 mm (4 pcs..)

Mechanical specifications:

Dimensions (w x h):	1900 x 1335 x 400 mm 1900 x 610 x 40 mm (transportation)
Surface treatment:	Powder-coating RAL 5012
Weight:	5,0 kg

Environmental conditions:

Operating temperature:	+5 $^{\circ}$ C to +60 $^{\circ}$ C
Reference temperature for declared specifications:	+5 $^{\circ}$ C to +60 $^{\circ}$ C
Storage temperature:	-30 $^{\circ}$ C to +70 $^{\circ}$ C

Delivery package:

- Antenna type MTA-60-3000
- Tripod attachment
- Manual
- Correction values
- COC