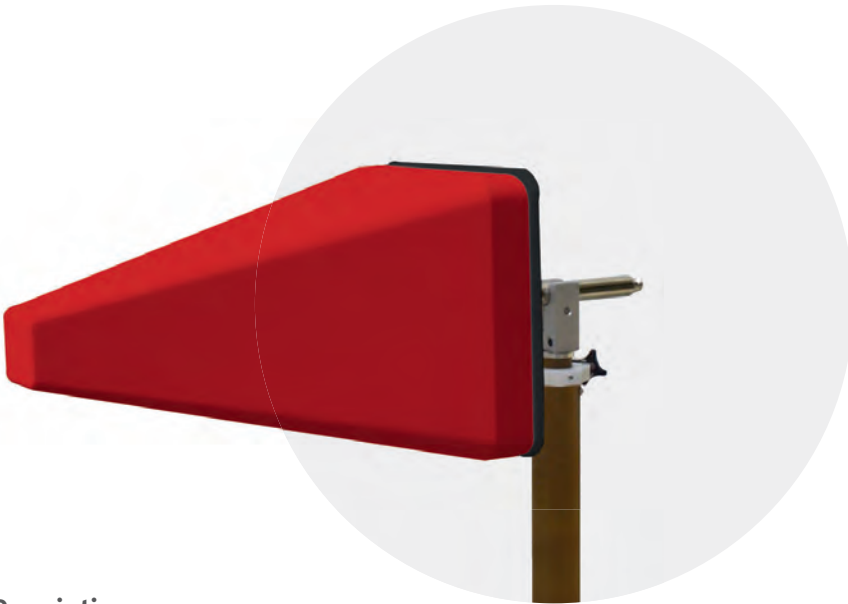


STACKED LOG.-PERIODIC ANTENNA – MAX-9 / MAX-9-7/16

for immunity tests and emission measurements

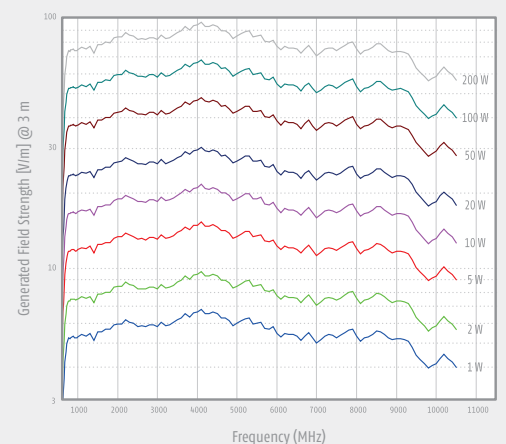
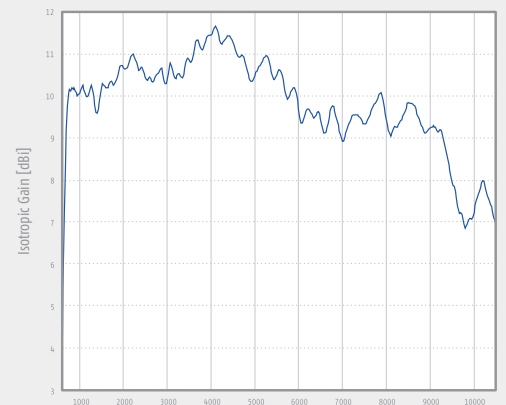
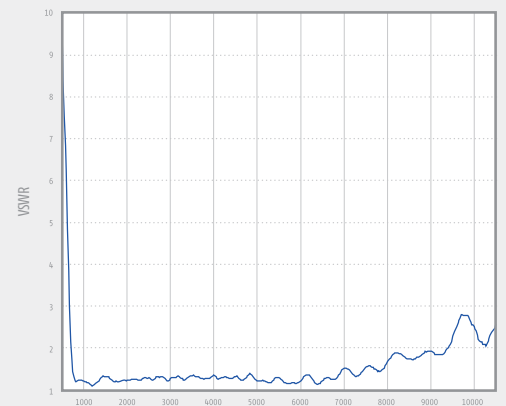
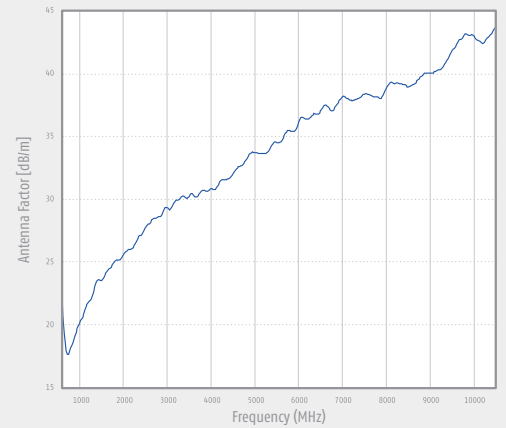


Description

Stacked logarithmic-periodic broadband antenna for radiated immunity tests and emission measurements in the microwave frequency range. The antenna structure is made of laser-cut brass.

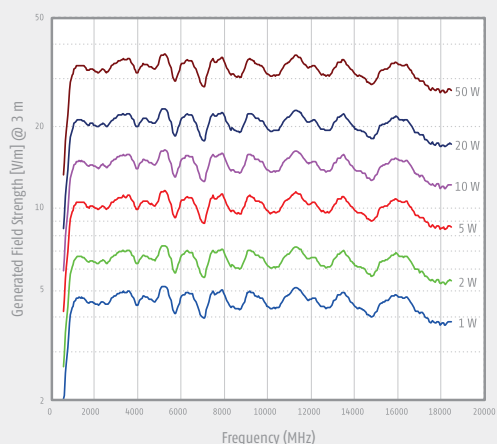
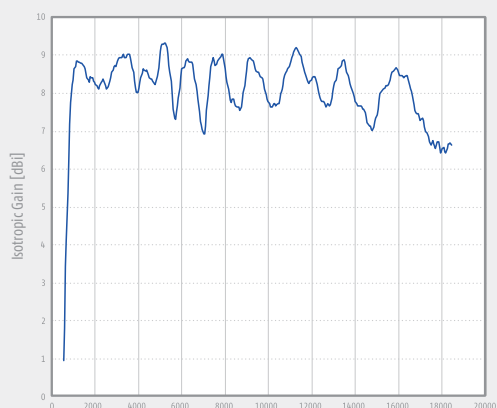
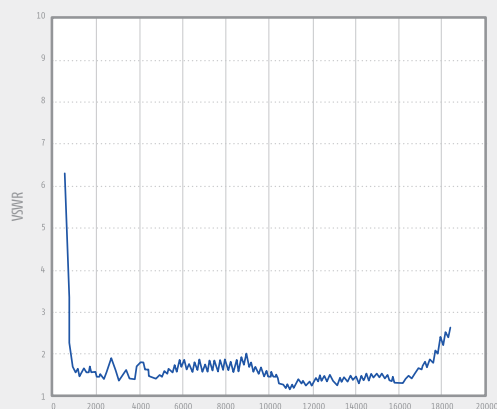
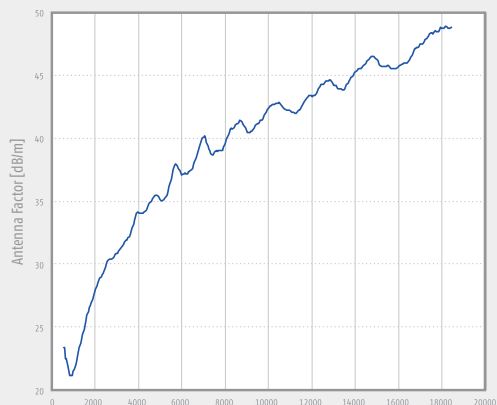
For protection of the fine antenna structure against damage the antenna is equipped with a low loss plastic protection cover. The MAX-9 is especially suitable for immunity testing acc. to IEC 61000-4-3 because of its good field uniformity. Further outstanding characteristics of the MAX-9 are the wide bandwidth, the nearly constant high gain, very good impedance matching as well as equal beamwidth in E- and H-plane.

Technical specifications	MAX-9	MAX-9-7/16
Frequency range	600 MHz - 10.5 GHz	600 MHz - 7.5 GHz
Max input power	300 W (f = 1 GHz)	950 W (f = 1 GHz)
	150 W (f = 6 GHz)	380 W (f = 5 GHz)
Nominal impedance:	50 Ω	
Connection	type N female	
Isotropic Gain	typ. 10.3 dBi ± 1.5 dB	typ. 10.3 dBi,(0.6) 0,7-7,5GHz
Antenna factor	18 ... 41 dB/m	
SWR typical	< 1.5 (f < 7 GHz)	
Front to back ratio	> 25 dB typ.	
Cross polarization rejection	> 30 dB typ.	
Half-power beamwidth (E-plane)	46° ± 10°	
Half-power beamwidth (E-Plane):	48° ± 10°	
Dimensions (W x L x D) in mm:	460 (+215) x 270 x 270	
Weight:	3.7kg	
Fixation	Ø 22mm mounting tube	
Use	Radiated immunity tests	
	Emission measurements	



STACKED LOG.-PERIODIC ANTENNA – MAX-18, 700 MHz – 20 GHz

for immunity tests and emission measurements



Description

Stacked logarithmic-periodic broadband antenna for radiated immunity tests and emission measurements in the microwave frequency range. The antenna structure is made of laser-cut brass. For protection of the fine antenna structure against damage the antenna is equipped with a low loss plastic protection cover. The MAX-18 is especially suitable for immunity testing acc. to IEC 61000-4-3 because of its good field uniformity. Further outstanding characteristics of the MAX-18 are the wide bandwidth, the nearly constant high gain, very good impedance matching as well as equal beamwidth in E- and H-plane.

Technical specifications

Frequency range	700 MHz – 20 GHz
Max input power	50 W
Nominal impedance:	50 Ω
Connection	type N female
Isotropic Gain	typ. 8.6 dBi \pm 1 dB
Antenna factor	20 ... 49 dB/m
SWR typical	< 2
Dimensions (W x L x D) in mm:	490 x 270 x 270
Weight	1.2 kg
Front to back ratio	> 25 dB typ.
Cross polarization rejection	> 28 dB typ.
Half-power beamwidth (E-plane)	58°
Half-power beamwidth (H-plane)	60°