

BiLog® Antenna 30MHz - 2GHz

CBL 6112B

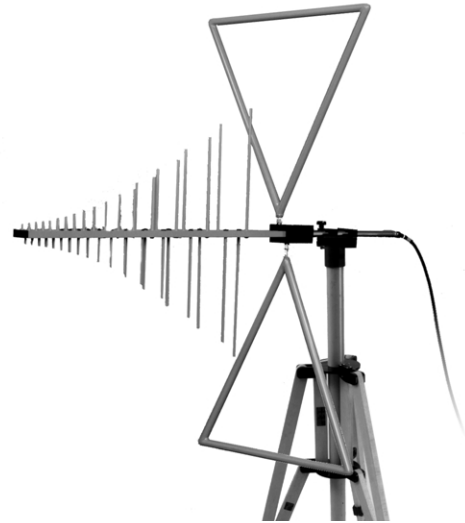
- Higher gains at higher frequencies
- Common carrier shippable

The CBL 6112B is a high gain ultra wideband BiLog® antenna for emission and immunity EMC testing.

Three Antennas In One

The CBL 6112B operates over the unprecedented, wide range 30MHz to 2GHz. It effectively combines the performance of three standard EMC antennas, the Biconical, the Log Periodic and the Double Ridged Horn. Considerable savings in the order of 40 - 50% can be made in expensive test time, plus the added benefit of improved repeatability and reliability by not having to laboriously disconnect and reconnect antennas during testing.

- Ideal for FCC15, EN/CISPR Compliance emission testing
- VHF radio approval applications
- Immunity testing to 300W CW
- Excellent balance < ±1dB
- No rotational offsets
- Easily transportable
- Individual calibration



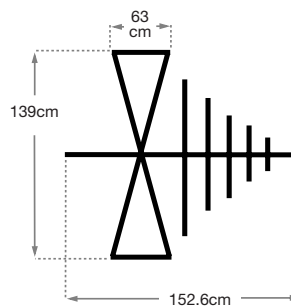
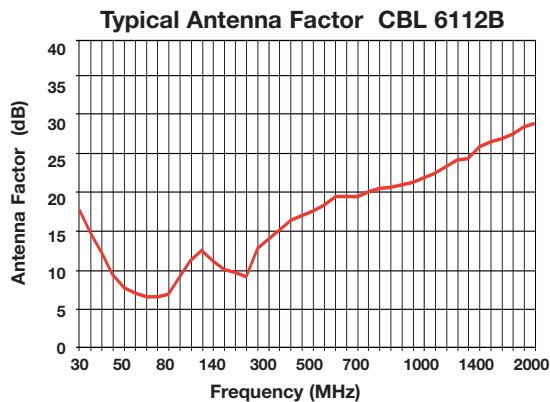
CBL 6112B BiLog mounted on optional tripod CTP6097A

The CBL 6112B is primarily an emission measuring antenna but can handle CW powers up to 300 watts, making it suitable for most immunity measurements requiring fields up to 10V/m, or even greater. The CBL 6112B is linearly polarised and exhibits excellent balance. This antenna is weather resistant for external use, and its size makes it suitable for most anechoic chambers. It is also ideal for FCC15, EN/CISPR compliance emission testing, and radio approval test applications.

Options

UKAS Calibration
Ultra-wideband can be calibrated to 3GHz

UKAS Calibration Option



Technical Specifications			CBL 6112B
Frequency range	30MHz - 2GHz	Connector	N Female
Impedance (Nominal)	50Ω	VSWR	Average 2:1
Gain	6dB Typical 200MHz - 700MHz	Size L x W x H cm	153 x 139 x 63
	8dB Typical 700MHz - 2GHz	Weight	4.2kg
		Max. power	300W CW