EMCtools

LISN Calibration Adapter

EMCtools
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Introduction

EMC-Specs for immunity and emission tests specify the use of Artificial Networks (AN) or Line Stabilisation Networks (LISN) for power supply lines to the device under test.
They provide standardised imedances for the power supply of the DUT and allow the measurement of conducted disturbances with test receivers of spectrum analyzers.

EMCtools LISN Calibration Adapter

Our EMCtools LISN Calibration Adapter has been specially designed to test Schwarzbeck ANs (see: Technical data - Compatibility).

Measurement NNBM 8125   Measurement NNBM 8126G

To perform the test a suitable Network Analyzer or Impedance Analyzer has to be used.
The use of a network analyzer allows the measurement of impedances and transmission of the AN. Our EMCtools LISN Calibration Adapter already contains Open, Short and Load standards for the calibration of the Network Analyzer or Impedance Analyzer.

If you use a calibrated Network Analyzer or Impedance Analyzer you can replace the high cost calibration of you ANs with a documented test.

Technical data:

Frequency range:	DC – 100 MHz (200 MHz)
Insertion loss:	< 0.1dB at 100 MHz, < 0.15 dB at 200 MHz
Reference impedance:	50 Ohm
Max. Test-Level:	3 dBm (200mW) during calibration
Compatibility:	Schwarzbeck AN NNBM 8125
	Schwarzbeck AN NNBM 8125 BCI
	Schwarzbeck AN NNBM 8126 A
	Schwarzbeck AN NNBM 8126 G
	Schwarzbeck AN NNBL 8225

Delivered devices of the system and accessories:

1 pcs   EMCtools LISN Calibration Adapter
1 pcs   Short for AN PORT A/B
1 pcs   coaxial cable 0,66m SMA (m) / N (m)
1 pcs   coaxial cable 0,66m BNC (m) / N (m)
1 pcs   Adapter BNC (f) / SMA (f)
1 pcs   printed manual