

# Strip Line

SL 50

- EMC tests for vehicle components immunity to RF fields
- Conformity with the requirements of ISO 11452-5 and EU guidelines 95/94
- Efficient power conversion provides high fields with minimum power



SL 50

### Range of Application

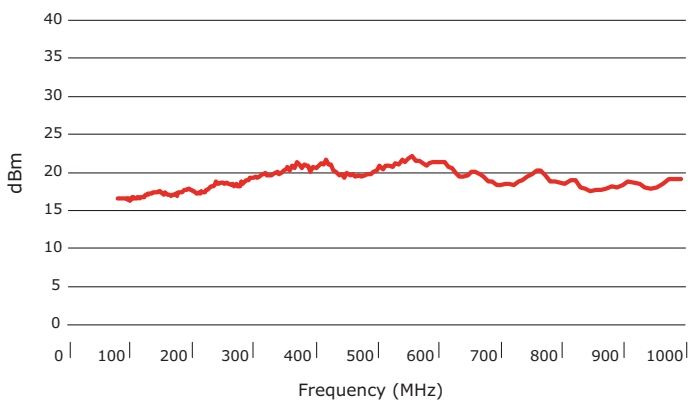
The Strip Line SL 50 is used to generate homogeneous electromagnetic fields. It is specified in ISO 11452-5 'Road Vehicles electrical disturbances through radiated narrow-band electromagnetic energy: Measurement Procedure for components part 5: Strip Line' and EU guidelines 95 / 94.

The SL 50 is used for testing electrical / electronic sub modules (EUB) and their associated cables. This method allows the generation of high field strength with minimum power.

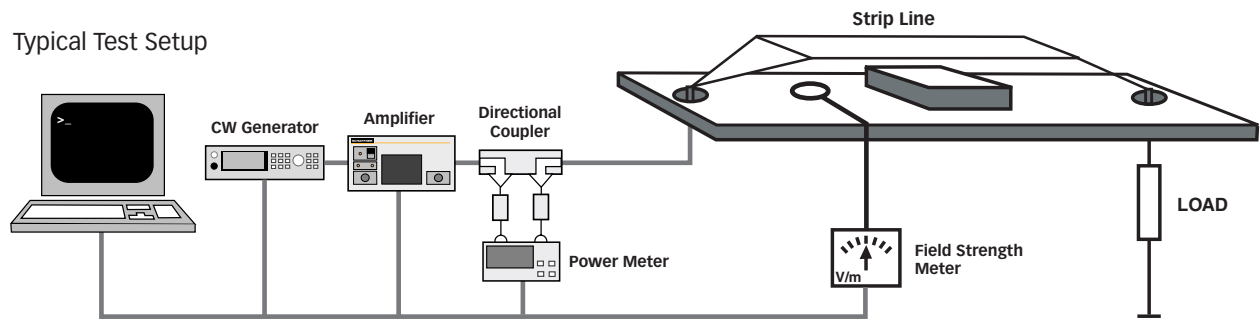
### Description

The SL 50 consists of two parallel metal plates. The EUT is arranged in the middle between these plates. The largest outer dimension of the EUT should not be more than 1/3 of the plate distance. The ground is on the lower plate and the isolated upper plate is supplied with RF energy. Between the plates, an electromagnetic field will be established. A typical test configuration consists of Signal Generator, Power Amplifiers, Power Meters and SL 50. To avoid interactions with the environment, the test should be run in an anechoic test chamber.

### Typical Required Forward Power for E=10V/m (isotropy at 1.3m from input)



### Typical Test Setup



SL 50-s  
with hinged  
desktop



### Delivery Information

The SL 50 is delivered in a transportable form with set-up instructions and advice for installation.

Options are versions with hinged desktop or with frame.

#### SL 50

#### Specifications

Frequency range	10kHz to 1000MHz
Max. Input power	1000W
Connector type	N, 50ohm female
Typical Impedance	50ohm
Typical VSWR (30 - 1000 MHz)	1: 1.3
Typical CW Input power for 10 V/m	0.1W (20dBm)
Distance between the plates	150mm
Dimensions (without options)	4.3m x 1.5m x 0.17m
Environment	Indoor