

# KH3939/KH3935 EMI Test System (Brochure)

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EMC&EMI Test System: [http://www.pegotester.com/products/EMC\\_EMI](http://www.pegotester.com/products/EMC_EMI)

Integrating Sphere System: [http://www.pegotester.com/products/integrating\\_sphere](http://www.pegotester.com/products/integrating_sphere)

Goniophotometer test system: <http://www.pegotester.com/products/goniophotometer>

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IEC60061-3 Lamp Gauges: <http://www.pegotester.com/products/gauge>

IEC and UL Probes for verification: <http://www.pegotester.com/products/probe>

## 1. Introduction

KH3939 EMI receiver is an automatic AIO equipment, fully meet the demand for disturbance power test of power line. And work with artificial network can do the disturbance power test. KH3939 has the features of stability and operability, the data can be output by USB Conveniently. The equipment can connect with external device, like printer, mouse, keyboard. And built in high-capacity hard disk, which can save a lot of files. Adopts windows system, users can operate it easily. As KH3939 receiver can work alone without other control appliances, it solves the problem of the interference source. The system completely meet the requirements of CISPR16-1, GB17743, FCC, EN55015 and EN55022.

## 2. Configuration

Model	Item	Frequency Range
KH3939	EMI receiver (mainframe)	9K-300MHZ
	Artificial mains network (LISN,10A)	9K-30MHZ
	attenuator	9K-30MHZ
KH3935	EMI receiver (mainframe)	9K-30MHZ
	Artificial mains network (LISN,10A)	9K-30MHZ
	attenuator	9K-30MHZ

**KH3939 includes EMI conduction test and radiation disturbance test. KH3935 is for radiation disturbance test.**

## 3. Parameters

### 1) EMI receiver

The EMI receiver completely meets the requirement of CISPR16-1, the system can apply to the industries of lamps and power source to meet the requirements of EN55015 and EN55022B.

- Frequency range: 9kHz-300MHz(KH3939), 9kHz-30MHz (KH3935)
- Frequency resolution: (9kHz ~ 150kHz): 30Hz; (150kHz ~ 30MHz): 1kHz; (30MHz ~ 300MHz) : 10kHz
- Frequency stability:  $10^{-6}$
- Input Impedance: 50Ω
- Test pattern: AVG, QP, PK
- Terminal voltage measurement range: 0dB ~ 120dB (S/N=6dB 1mV=0dB)
- Sweep bandwidth: 200Hz, 9kHz, 120kHz
- AIO machine, Windows XP system, can connect with keyboard and mouse, USB port to output the data.



## 2) Artificial Mains Network

Artificial mains network provides a stable impedance at radio-frequency region, and isolates the EUT from high-frequency interference, then coupling the disturbance voltage to the receiver.

- Frequency range: 9kHz~30MHz
- Impedance accuracy:  $\pm 20\%$
- Current (max): 10A
- AC frequency: 50Hz

## 3) Attenuator

Attenuator protects the receiver from transient impact.

- Frequency range: 9KHz~30MHz
- Insertion Loss: 10dB $\pm$ 1dB
- Voltage standing wave ratio: <1W
- Input impedance: 50 $\Omega$

## 4. Lab requirement

- Galvanized plate: 2 pieces, 2.44m\*1.22m\*1.2mm (L\*W\*D)
- Wooden table: 1.8m\*0.6m\*0.8m (L\*W\*H)