

## KNM-5002 RFI FIELD INTENSITY METER

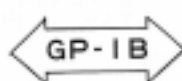
25 ~ 500 MHz

KNM-5002 is a RFI field intensity meter for the frequency range from 25 to 500 MHz, which can measure the RF interference accurately and speedily, meeting the requirements of CISPR, VDE, FCC or other specifications.

By using KNM-5002, RF noise generated from various apparatus can be measured with direct readouts as the coaxial 50Ω termination voltage and the field intensity by using antenna.

Besides, the field intensity measurements of broadcast and telecommunication radio waves can be also performed.

KNM-5002, controlled by a microprocessor and provided with the functions for various automatic measurements, such as automatic level calibration and autoranging, is able to perform efficient measurements. Frequency range can be extended up to 1500 MHz in combination with KCV-6002 frequency converter.



### ■ MAIN APPLICATION

- RF interference voltage, power and field intensity measurements.
- Measurement of undesired radiation, spurious radiation and VSWR of transmitters and receivers.

- Field intensity measurements of broadcast and telecommunication radio waves.
- Measurement of microvolt level voltages as a frequency selective voltmeter of high sensitivity.

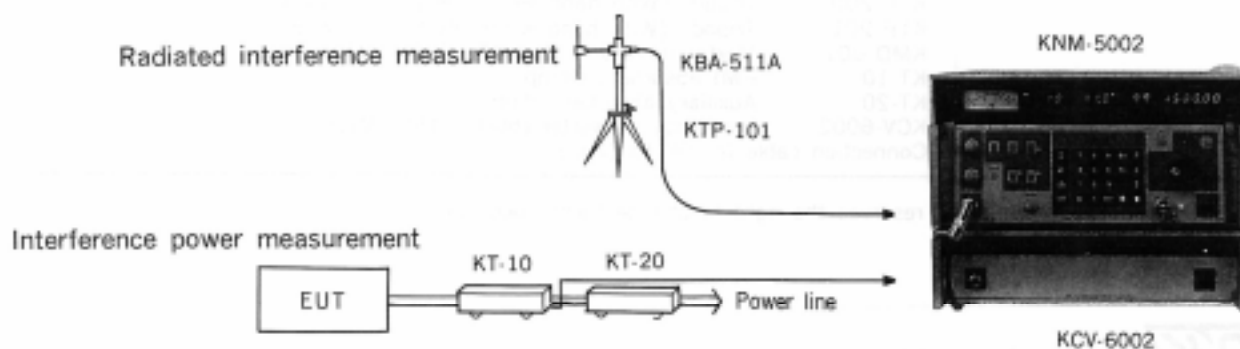
### ■ FEATURES

- As synthesizer-based receiver, the excellent setting accuracy and stability for the received frequency can be obtained.
- Accurate and speedy measurements due to automatic level calibration.
- The whole frequency range from 25 to 500 MHz can be tuned successively without band switching.
- The frequencies, set and swept by two ways of rotary encoder and keyboard, can be swept with optionally set frequency step except four inherent steps.
- The equipped GP-IB interface allows various automatic measuring systems by computer to be assembled.

- Presetting of up to 99 channels for any measurement frequency and function.
- By using an antenna and EMI absorbing clamp in optional accessories, the correction factor is automatically added, field intensity and interference power can be measured with direct readouts.
- Tracking generator equipped, make it possible to measure the characteristics of antenna and filter and the shielding effect of shield material.
- By the action of autoranging, attenuator can be set automatically for input signal level.

### ■ TEST SETUP

#### Measurement of RF interference



EUT = Equipment Under Test

