

MODEL 3000e LSI Measurement Option

3000e is an optional unit for measuring the emission of LSI with precision. The 3000e, added to Emission Precision Scan System EPS-3000, creates a measuring environment dedicated to LSI.

Features

► Precision analysis for LSI emission

Scanning step 1mm provides a precision LSI measurement.

► Measuring the surface of DUT within 1mm

A super-miniature magnetic field probe (with tip diameter of about 2mm) is positioned close, within about 1mm of the surface of the LSI under test to enable high-resolution measurement.

► Super-imposed with the actual image

Emission maps super-imposed on the actual images of the LSI are great help to accurately analyze radiation pattern..

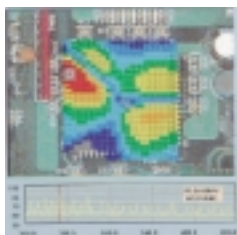
► A dedicated measurement probe

A dedicated vertical magnetic field probe which has the below frequency characteristics is provided as a standard accessory. An electric field probe Model: 01-00046A is optionally available.

► NEC CP-2S probe optionally available



Measurement example



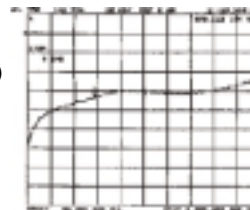
An example of a video LSI: The emission map actually shows a few leads among the entire lead frame as a possible interference source.

Measurement probe

► Vertical magnetic field probe (Standard accessory)



► Frequency characteristics
 30MHz~1200MHz (-35dB~-5dB)
 1200MHz~2400MHz (-5dB)
 2400MHz~3GHz (-5dB~0dB)



► Horizontal magnetic field probe (NEC CP-2S Magnetic Field Probe) Model: 01-00048A (Option)



Specifications

Parameters	Specifications
Probe	Vertical magnetic field
Amplifier	Frequency characteristics 25MHz~3000MHz Gain 36dB
Printed Circuit Board Size	(W)150 x (L) 175 mm maximum
Scanning area	87.5mm x 75mm
Minimum scanning step	1mm
Probe up and down stroke	50mm
Height adjustment of probe	20mm
Compatible model	EPS-3000/WIN95
Software environment	Windows 95 or Windows 98 SE running the EPS-3000/WIN95
Measurement function	According to the functions of the EPS-3000/WIN95
Dimensions	(W)593 x (H)140 x (D)603 mm
Weight	Approx. 20kg
Power supply	AC85~264V 50/60Hz 150VA or less