

YOKOHAMA Lab.

Office Locations



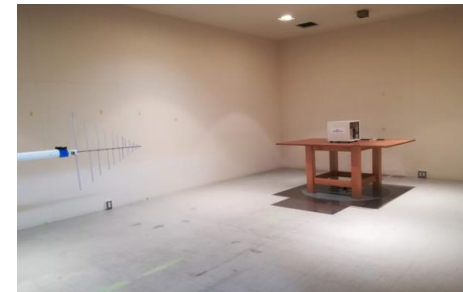
Head office
Nagano City

Yokohama R&D
Shin-Yokohama

ULTIMATE TECHNOLOGIES ASIA Sdn.Bhd
Kuala Lumpur / Malaysia



Nagano Head Office



Malaysia Analysis Center

Yokohama Lab.

This is a Lab. Born from a completely new concept that also performs quick measurements of Emissions, Immunity, and ESD for various in-vehicle ECUs, and also VDE and DPI tests compliant with BISS standards at the semiconductor level.

This Lab. Works in conjunction with the company's proven Simulation System to quickly compare the results of analysis and measurement, and pursue the root cause of EMC and provide suggestions for solving problems.



Yokohama Lab. *Service provision -1*

■ **Evaluation of Emissions**

Conducted Emissions

Level measurement

Noise source search

Common mode voltage measurement

Radiated Emissions

Level measurement

Noise Source search

Function test

Waveform measurement



Near field scanner

Noise intrusion/emission route search



Optical isolation probe

Yokohama Lab. *Service provision -2*

■ Evaluation of immunities

Conducted Immunities

BCI level measurement

Direct voltage measurement

Noise intrusion route search

Radiated Immunities

Disturbance level measurement

Noise intrusion route search

Electrostatic Discharge test

ESD level measurement

Direct voltage measurement

■ Semiconductor device measurement

IC level test BISS standard

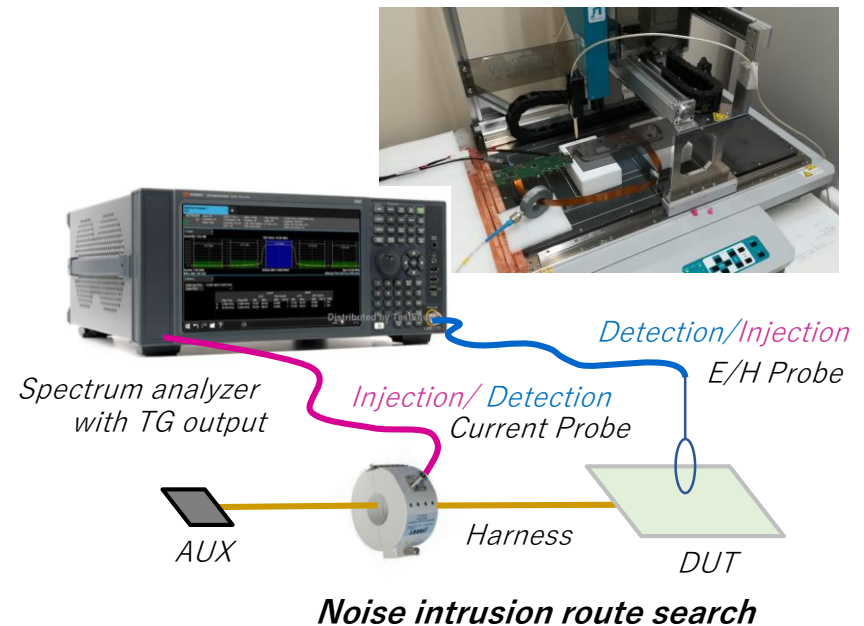
VDE method

DPI measurement

TEM-Cell measurement



BCI measurement environment



Yokohama Lab. *Equipment*

for Emission measurement:

Spectrum analyzer ~26.5GHz

Near field scanner

Optical isolated probe

Oscilloscope with Spectrum analyzer

Antenna-1

Antenna-2 Magnetic field

Antenna-3

N9010A

WM7300

TIVH08

MDO4104C

20100E

MDF960X

30100

Keysight

Morita Tech

Tektronix

Tektronix

Aaronia

Aaronia

Aaronia



Signal generator with amplifier



Spectrum analyzer N9010A

for Immunities measurement

Signal generator with amplifier

Optical isolated probe

Injection probe

Spectrum analyzer with TG output

Near field scanner

E/H Injection probe

Electrostatic Discharge Tester

NSG 4070C-40 TESEQ

TIVH08 Tektronix

F140

FCC

N9000B

Keysight

WM7300

Morita Tech

MT-676

Morita Tech

ESS-S3011 ノイズ研究所



Injection probe



Calibration kit



TEM-Cell



Electrostatic Discharge Tester

Spectrum analyzer ~26.5GHz

Signal generator with amplifier

TEM-Cell

Evaluation PCB

N9010A

Keysight

NSG 4070C-40 TESEQ

TEM-JM4

FCC

Yokohama Lab. *EDA Equipment*

Schematic Editor Tools

Products	Vendor
CR-8000 Design Gateway	Zuken
CR-5000 System Designer	Zuken
OrCAD Capture	Cadence
Design Capture	Mentor Graphics

Board Design Tools

Products	Vendor
CR-8000 Design Force	Zuken
CR-5000 Board Designer	Zuken
Allegro PCB	Cadence
Xpedition Enterprise	Mentor Graphics

DFM Tools

Products	Vendor
Enterprise 3000	Mentor Graphics

Analysis Tools

Products	Vendor
HSPICE	Synopsys
SIwave	ANSYS
HFSS	ANSYS
Q3D Extractor	ANSYS
Icepak	ANSYS
Mechanical	ANSYS
Discovery Live	ANSYS
Sigrity	Cadence
ADS momentum	Keysight

3D Mechanical Tools

Products	Vendor
Design Modeler	ANSYS
Space Claim	Space Claim
Creo	PTC

Thank you.