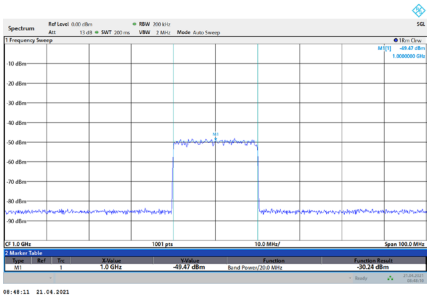
Immunity Testing per OEM Manufacturer Standard
New Short-Distance Irradiation Testing

Short-Distance Irradiation Testing Service

Compatible with ISO 11452-9 (under development)

TÜV Rheinland Japan has introduced test equipment for a new short-distance irradiation testing standard issued by an OEM manufacturer and began providing testing services. This test focuses on not only narrow band irradiation using mobile antennas and sleeve antennas in the conventional radio frequency bands, but also simulates noise generated inside vehicles in the real world today. This is a type of test in which broadband noise is irradiated in the tens of MHz bands and is under application /development as ISO 11452-9.



TEST SPECIFICATIONS (REFERENCE)

Test frequency	680MHz～6GHz * Test frequency remains the same.
Modulation	AWGN BW 20MHz, 80MHz, 100MHz, 160MHz (SG：R&S SMCV100B)
Antenna	Broadband sleeve antenna (NKU series by Noise Laboratory Co., Ltd.)

Broadband noise is irradiated according to the above specifications.

R&S®SMCV100B
VECTOR SIGNAL GENERATOR

TÜV Rheinland Japan Mobility Technology Center (MTC) is also capable of conducting various specifications tests required by other OEM manufactures, providing one-stop services for your products from test planning to certification. In addition, we are accredited by Mazda to conduct testing based on MES standard C/D versions.

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TÜV Rheinland Japan Mobility Technology Center (MTC)

Providing one-stop services for your products from test planning to certification

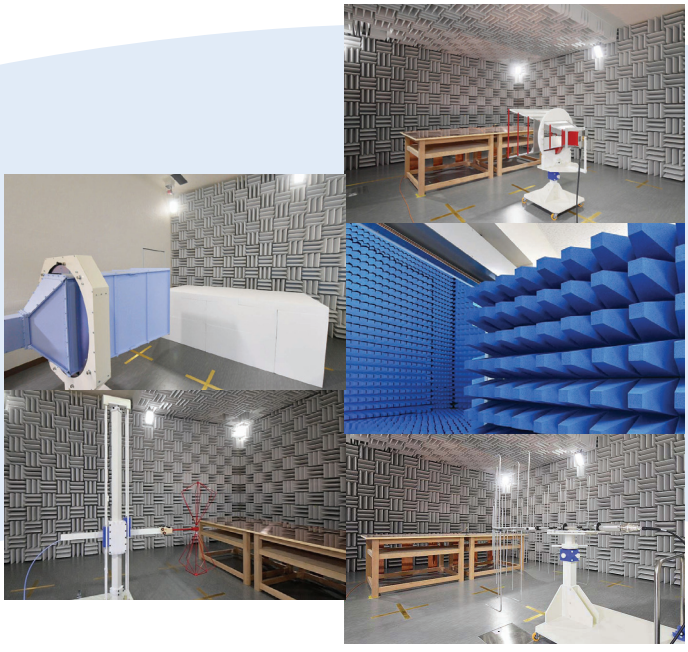
EMC TESTING FACILITY FOR ON-BOARD ELECTRICAL/ ELECTRONIC EQUIPMENT

TÜV Rheinland Japan Mobility Technology Center (MTC) specializes in testing services for on-board products for vehicles. We perform EMC testing for vehicle ECU and on-board electrical/electronic equipment.

TÜV Rheinland Japan is a third-party certification body that is highly experienced in certification related to safety standards and regulations for automobile vehicles and components in general. Our laboratory has technical expertise to plan testing for on-board systems properly, providing one-stop services from test planning to certification aimed at the CASE market.

EMC testing for vehicle system components

- Homologation standards (UNECE R10 and other UNECE vehicle regulations in general, including EMC requirements)
- R&D (each OEM vehicle manufacturer specifications)



Two anechoic chambers for on-board components

One 3m anechoic chamber

One shield room

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