

Appendix C : Photo of the Test Set-up

Conducted Emissions (Mains Port)

The measurements of the conducted emissions (interference voltage) at the mains ports were performed in a shielded enclosure with peripherals placed on a nonconductive table, 0.4 m high over a metal floor.

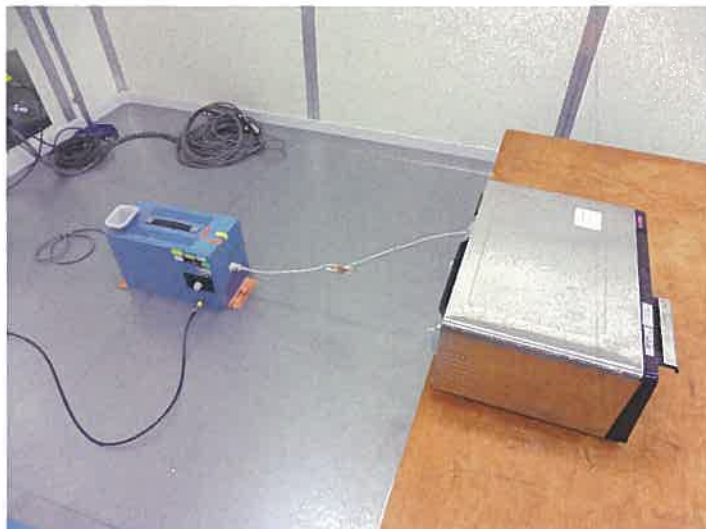
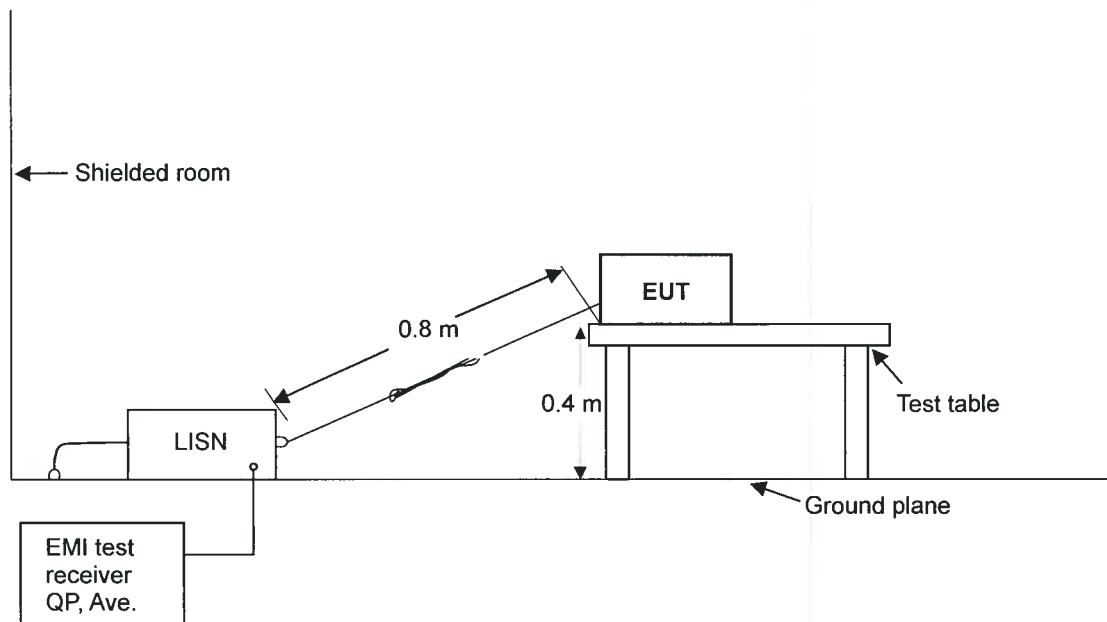
The EUT was located more than 0.8 m away from the shielded enclosure wall and was plugged into the LISN.

Pre-check: AC power line conducted emission levels (Peak value) were measured by means of spectrum analyzer to identify the frequency of the emission that had the highest amplitude relative to the limit by operating the EUT in a range of typical modes of operation.

Final measurement: Emission levels (Ave. and QP value) were measured by means of the test receiver referring the result of Pre-check. EUT operation mode was selected for maximum emission.

Maximized emission levels were recorded.

Drawing:



Radiated Emissions (Below 1 GHz : Magnetic Field)

The EUT was placed on a 1.0 m high nonconductive turntable along with the peripherals.

The turntable was separated from the antenna by a distance of 10 m.

Cables for peripherals were placed in a position to produce maximum emissions as determined by experimentation, and the operation mode was selected for maximum emission.

Pre-check: Radiated emission levels (Peak value) which have small margin for the regulation were measured by means of spectrum analyzer changing loop antenna set (2 m) and table rotation (0 - 360 degree). Care should be taken to assure that readings are not taken nulls.

Loop antenna was turning 0 to 90 degrees.

Final measurement: Emission levels (Ave. value) were measured by means of the test receiver referring the result of Pre-check.

The emission level from the EUT were maximized changing conditions; Turn table rotation.

Drawing :

