

EMC Services Addendum

Important EMC Specific Notes

- Unless otherwise stated, this quote does not include costs for evaluation of wireless (intentional radiator) devices to the requirements of FCC Part 15 Subpart C and other FCC wireless rules, the EU R&TTE directive, or equivalent requirements for other wireless devices and countries. If the product(s) referenced in the quote contain wireless technology devices and wireless services have not been included, please call this matter to our attention as soon as possible so that the wireless requirements can be addressed.
- During the EMC testing, in order to avoid excessive test time, the test units will be required to run continuously without operator action for periods of up to three hours (longer in certain cases). If your product cannot be made to run for this length of time, testing of your product may require more test time or special procedures. Please notify us as soon as possible so that we can revise the schedule, cost estimate, and test plan accordingly.
- If notified body approval has not been included in this quotation, and you are unsure if this applies to you, please give us a call.
- A block diagram of the system exactly as it will be configured for the test. The diagram must show the major system devices, interconnect and power cables, and whether each system device is equipment under test (EUT) or support. For power and interconnect cables, show the cable description (RS-232, coax, etc.) length in meters, and whether the cable is shielded or unshielded.
- List of EMC components (filters, ferrite beads, gaskets) and major subassemblies (PC Boards, disk drives, power supplies etc.) with manufacturer, part or model number, and ratings (V, A, Hz, W, etc.) on EMC constructional data forms (CDF's).
- For equipment with I/O or other interface connectors, cables must be fitted to these interfaces during the tests. Interface connectors which are not used (factory use only, etc.) must be covered or blocked by a panel or other device which requires a tool for removal, or else be cabled for the test. If interface connectors are restricted from access in this way, the applicant will be required to provide a statement to be included in the test report that these measures will be implemented in production equipment.

- If any special test fixtures, materials, support equipment, or software is required for the operation of the test samples, these must be provided with the test samples, unless prior arrangements have been made.
- AC mains powered test samples (EUT) being tested for CE requirements must be capable of being powered from AC 230 V 50 Hz.
- AC mains powered test samples (EUT) being tested for FCC requirements must be capable of being powered from AC 120 V 60 Hz.
- Devices which are provided power using an external transformer or power supply module, must be provided with such module(s) for the test. The power module must operate from the appropriate voltage as shown in the preceding items. Special arrangements must be made for any equipment not capable of being powered as described above. An additional charge may apply.
- Please confirm the input power configuration, ratings, and model number(s) for your equipment in writing prior to the date of test.

- Where support equipment is to be located remotely from the EUT during the test, any interconnect cables running between the EUT and support equipment must be a minimum of 10 m in length. The maximum width of any connector shell for these cables must not exceed 4".

Important Mobile Lab Specific Notes

- For testing accomplished with the Mobile EMC Laboratory, the EUT is assumed to be powered from AC 3 Phase 230/400 V 50 Hz 63 A maximum unless specified elsewhere in this estimate. If another mains supply configuration is required, an additional setup or fixturing charge may apply. Please advise us ASAP if special power is required.
- The EMC charge includes testing at the client's site using our Mobile Lab. If the client cancels or reschedules within 6 weeks of the assigned test date, TÜVRheinland reserves the right to charge a cancellation fee based on a percentage of the EMC charges listed above; namely 4-6 weeks - 20%; 2-4 weeks: 30%; up to 2 weeks: 50%.