



In addition to its software and hardware engineering services, StreamUnlimited offers complete EMC testing facilities and expertise to customers. Testing and debugging can be performed by StreamUnlimited's engineering team.

Alternatively, the entire EMC lab may be rented for pre-compliance testing during development or for quality assurance — for example, to confirm that minor design changes do not affect EMC compliance. A short technical introduction will be provided. Rework tools, standard components, and EMC kits (including Würth Elektronik design kits) are available.

EMC Testing Capabilities

- ▶ Radiated Emissions
- ▶ Conducted Emissions
- ▶ Radiated Immunity
- ▶ Conducted Immunity

EMC Test Facilities

- ▶ 20 m² full anechoic room + control room
- ▶ 5×2.5 m² shielded room
- ▶ ESD / EFT test bench
- ▶ Conducted immunity test bench

EMC Test Equipment

- ▶ 7 GHz and 20 GHz EMC receivers
- ▶ 20 kV ESD generator
- ▶ Power amplifiers for radiated immunity:
140 W (10 kHz – 1 GHz), 25 W (0.8 GHz – 3.1 GHz)
- ▶ 100 kHz – 9.25 GHz field probe
- ▶ Signal generators, SDR, field probes, CDN, LISN, current clamps, and more

EMC Standards

- ▶ StreamUnlimited is familiar with most major CISPR standards, including:
- ▶ EN55032: Multimedia Equipment – Emissions
- ▶ EN55035: Multimedia Equipment – Immunity
- ▶ EN61000: General Electromagnetic Compatibility
- ▶ EN61326: Laboratory Equipment
- ▶ EN301893: 5GHz RLAN
- ▶ EN300328: 2.4GHz Wideband Transmission Systems
- ▶ FCC Part 15 / RSS-247

Services

- ▶ EMC consultancy and design reviews
- ▶ EMC pre-compliance testing and debugging
- ▶ Rental of EMC facilities

StreamUnlimited, founded in 2005, is a supplier of software solutions and hardware modules for connected audio and IoT products, with over 120 employees at office locations in Vienna, Bratislava, Shenzhen, Osaka and San Francisco. As the de facto global system integrator offering its own IP and engineering services, StreamUnlimited development partnerships include all major semiconductor companies and technology providers in the consumer electronics and IoT channel. StreamUnlimited works with a global cross-section of high-end audio, CEDIA-channel, premium and mainstream consumer electronics and smart home manufacturers.



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