



In addition to our software and hardware engineering services, StreamUnlimited offers its full EMC facilities and expertise to customers. Testing and debugging can be performed by StreamUnlimited. Alternatively, the entire EMC lab may be rented for pre-compliance testing during development or for quality assurance, e.g. to confirm that small design changes have no impact on EMC compliance. A short introduction will be provided, rework equipment and standard components as well as EMC components (WÜRTH ELEKTRONIK design kits) are available.

### EMC Testing Capabilities

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

### EMC Test Facilities

- ▶ 20m<sup>2</sup> full anechoic room plus control room
- ▶ 5x2.5m<sup>2</sup> shielded room
- ▶ ESD / EFT test bench
- ▶ Conducted immunity test bench

### EMC Test Equipment

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

### EMC Standards

StreamUnlimited is familiar with most common CISPR standards such as:

- ▶ EN55032: Multimedia Equipment – Emissions
- ▶ EN55035: Multimedia Equipment – Immunity
- ▶ EN61000: General Electromagnetic Compatibility
- ▶ EN61326: Laboratory Equipment
- ▶ EN301893: 5GHz WLAN
- ▶ EN300328: 2.4GHz Wideband transmission systems
- ▶ FCC Part 15/ RSS-247

### Services

- ▶ EMC consultancy/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, Iasi, Shenzhen, Japan and Santa Clara, CA. 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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