



HIGH PERFORMANCE AUDIO / VIDEO PRODUCTS

PROVE THEIR QUALITY

Technical innovation and consumer expectation means that to be successful Audio Video (AV) equipment needs to be high performing, easy to use and keenly priced.

AV MARKETABILITY

Any AV product's marketability is underpinned by the principles of consumer safety, product safety and market regulation. To be successful, manufacturers and retailers need to combine a variety of testing and certification services before going to market, including:

- Safety
- Electromagnetic Compatibility
- Restriction of Hazardous Substances
- Energy Efficiency

With over 130 years' experience of testing, certification and verification we are the ideal partner to help you deliver products that are safe and of the promised quality. Our global network of more than 1,350 laboratories and offices can offer a truly local service wherever you or your intended end market is based.

SGS can offer a comprehensive range of audio and video equipment services to meet every eventuality.

SAFETY & EMC DIRECTIVE

Rigorous safety testing ensures that your AV equipment does not present any danger to consumers, domestic animals or property when correctly installed and operated. But it's not just about an object's safety; how it impacts on other equipment needs verifying too. Electromagnetic Compatibility (EMC) testing makes sure that your equipment emits no more than the permitted radio frequency interference – ensuring that it doesn't impact on the operation of other appliances.

At SGS we conduct all relevant tests encompassing IEC, EN and UL standards. We will select test standards in accordance with the regulations of your destination market(s).



ENERGY EFFICIENCY

The Energy-using Product (EuP) directive ensures manufacturers consider the principles of eco-design and energy efficiency when developing products. It applies to all products in an industrial and domestic setting that rely on energy input or generate, transfer or measure energy and therefore is key to the design and manufacture of AV equipment. Our energy efficiency and eco-design services include product testing, review, certification, factory inspections and licensing to use the SGS energy efficiency mark and benefit from market monitoring.

Major EuP eco-design requirements include:

- (EC) No 1275/2008 – Eco design requirements for standby and off mode electric power consumption of electrical and electronic household and office equipment
- (EC) No 107/2009 – Eco design requirements for simple set-top boxes
- (EC) No 278/2009 – Eco design requirements for no-load condition electric power consumption and average active efficiency of external power supplies



HAZARDOUS SUBSTANCES

The Restriction of Hazardous Substances (RoHS) directive focuses on consumer and environmental protection. Technology is continuously introducing new materials to the manufacturing process and components making RoHS highly relevant to ensure the safety of your products. The directive restricts the use of six hazardous substances:

- Lead
- Mercury
- Cadmium
- Hexavalent chromium
- Polybrominated biphenyls (PBB)
- Polybrominated diphenyl ether (PBDE)



WHY SGS?

- We provide a single consolidated source to enable you to reduce risk, improve efficiency and quality, while also ensuring regulatory compliance in many industries.
- Our global network of 1,350 offices and laboratories is the one-stop solution for all your testing, certification, technical assistance, product assessment, inspection and verification needs.
- Our extensive resources and knowledge allow us to provide reliable performance services to large and small retailers.
- We can award a wide range of product and system certifications and we also provide certification for AV products in other countries with mandatory product safety marks.

CONTACT US

For more information on Audio/Video equipment standards please visit www.ee.sgs.com/audio-video or contact our global team: ee.global@sgs.com