BLS-2500-SPL

SmartAir
SASM-200

SAMPLE REPORT

21 October 2025

Contents

1. Summary

This report provides a rapid, high-level compliance health check for your product in a specific region. It is designed to give you clarity on the most pressing compliance risks, relevant legislation, and practical next steps. The aim is to support urgent decision-making by highlighting critical gaps and actionable recommendations, all within a fast turnaround.

Product Name	SmartAir Sensing Module
Model Number	Model SASM-200
Region of Sale	United Kingdom
Description	The SmartAir Sensing Module (SASM-200) is a compact, IoT-enabled environmental sensor designed for indoor air quality monitoring. It integrates multiple sensing capabilities including temperature, humidity, CO_2, VOCs, and particulate matter (PM2.5/PM10). The device communicates via Wi-Fi and Bluetooth Low Energy (BLE), and supports integration with smart building management systems. It is powered via USB-C and includes onboard data logging and cloud sync functionality.
Marketing Claims	• Continuously monitors indoor air quality with advanced multi-sensor technology, providing real-time insights into temperature, humidity, CO_2, VOCs, and particulate matter levels. • Effortlessly integrates with smart building management systems via Wi-Fi and Bluetooth Low Energy, enabling seamless data access and automated environmental control. • Compact and easy to install, the SmartAir Sensing Module features onboard data logging and secure cloud synchronisation for reliable, round-the-clock environmental monitoring.
Usage Environment	Indoor Domestic
Overall Compliance Status	A

2. Risks and Recommendations

This section presents the principal risks related to the product and provides actionable recommendations for their management. By highlighting potential compliance and safety challenges, it seeks to support you with risk mitigation strategies and comprehensive compliance planning.

Risk	Description	Recommendations	Significance
Absence or Improper UKCA Marking	The SmartAir Sensing Module must display the UKCA (UK Conformity Assessed) mark to lawfully enter and be sold in the UK market. Without accurate marking and supporting documentation, the product risks being barred from sale or subject to recall and penalties.	Complete a rigorous conformity assessment for all relevant UK regulations. Ensure every unit bears a compliant UKCA mark and that comprehensive, up-to-date technical documentation is maintained.	Legal sale and distribution in the UK require visible UKCA marking and proper records to prove compliance during inspections or market surveillance.
Failure to Meet Essential Safety Standards	If the product does not satisfy the General Product Safety Regulations 2005 (GPSR), authorities may deem it unsafe for domestic use, triggering enforcement actions such as bans or recalls.	Conduct detailed risk assessments for all intended and foreseeable uses. Update safety information as needed and provide users with clear safety instructions and warnings. Monitor regulatory updates, especially those relevant to online sales and emerging risks.	Continuous risk assessment and user guidance ensure ongoing compliance and prevent safety-related incidents or enforcement actions.

Risk	Description	Recommendations	Significance
Non-compliance with Radio Equipment Regulations	As a device using Wi-Fi and Bluetooth, the module is subject to Radio Equipment Regulations 2017 (RED). Non-compliance with RED requirements—including EMC and efficient use of radio spectrum—could result in sales bans, fines, or withdrawal from the market.	Undertake all necessary tests for electromagnetic compatibility and radio spectrum efficiency. Ensure RED compliance and affix the UKCA mark accordingly. Review compliance regularly to keep pace with changes in technology and regulation.	Adherence to RED protects the product's wireless performance, user safety, and legal standing in the UK market.
Insufficient Technical Documentation and Traceability	Incomplete or outdated compliance records may hinder regulatory investigations and expose the manufacturer to liability if issues arise.	Maintain thorough, current technical files and declarations of conformity for every product batch. Train staff on UK compliance recordkeeping and traceability requirements.	Robust documentation demonstrates regulatory diligence, enables rapid response to authorities, and supports continued lawful distribution.

3. Relevant Legislation

In the UK, product compliance is governed by national legislation that incorporates retained EU law post-Brexit, such as the UK Product Safety and Metrology Regulations. Products must meet essential safety requirements and carry the UKCA (UK Conformity Assessed) marking where applicable. These laws define the responsibilities of manufacturers, importers, and distributors, and mandate conformity assessment procedures to ensure products are safe and fit for purpose before entering the UK market.

Legislation/Directive	Scope of Legislation or Directive	Rational for Applicability
General Product Safety Regulations 2005 (GPSR)	Requires that all consumer products placed on the market are safe under normal or foreseeable use. Producers must conduct risk assessments and provide warnings as needed. National authorities can recall or ban dangerous products. The new 2023 Regulation updates these rules for online sales and new risks.	This product is classified as a consumer product, as it is marketed directly to the general public and designed for domestic applications.
Radio Equipment Regulations 2017	Any product that contains an intentional radio transmitter or receiver (Bluetooth, Wi-Fi, cellular, etc.) falls under RED. This often covers modern electronics (e.g., a tablet with Wi-Fi). RED encompasses electrical safety (even for <50 V devices), EMC, and efficient use of radio spectrum. Such products need UKCA marking under RED instead of LVD/EMC.	The product includes radio modules, such as Bluetooth and Wi-Fi, and is therefore subject to the Radio Equipment Regulations.

Legislation/Directive	Scope of Legislation or Directive	Rational for Applicability
RoHS Regulations 2012 (as amended)	Restricts heavy metals and flame retardants in electronic devices (same as for appliances). All general EEE (phones, PCs, cables, etc.) must comply. Some categories have exemptions (e.g., lead in server racks). Declarations of Conformity and CE marking for RoHS are required.	The product is regarded as general Electrical and Electronic Equipment (EEE) because it is an electronic device intended for use by consumers and falls within the broad categories covered by the RoHS Regulations 2012.
WEEE Regulations 2013	UK's e-waste law covering electronics. Importers and manufacturers must join producer compliance schemes to finance electronics recycling.	As the product is electronic if falls under the scope of WEEE.

4. Compliance Health Check

4.1. Assessment

Area	Status	Findings	Recommendations
Product Labelling	G	Labelling is fully aligned with all applicable regulatory, environmental, and safety requirements across target markets. There is a documented and controlled process for label creation, verification, and change management, integrated with product lifecycle and technical documentation. Labels are tested for durability, legibility, and placement, and include all required symbols, marks, and traceability elements.	Fully compliant with UKCA, sector-specific labelling.
Conformance with Standards	A	Some applicable standards have been identified and partially implemented, but coverage is incomplete or inconsistent across product variants or markets. Testing may be informal or limited to internal methods without third-party validation. Documentation exists but may lack traceability or justification for standard selection.	Ensure that all UKCA markings are supported by current documentation and up-to-date standards, addressing any gaps related to outdated references or missing evidence of compliance.
User Guide/Instructions	R	User instructions are absent, incomplete, or fail to meet regulatory requirements. Critical safety information, installation steps, or warnings may be missing or unclear. There is no formal process for creating or reviewing user documentation, and language localisation is not considered.	Ensure comprehensive user instructions are developed and provided, including all necessary safety warnings, to achieve compliance with the General Product Safety Regulations (GPSR).

Area	Status	Findings	Recommendations
Installation Instructions	A	Installation instructions exist but may be generic, outdated, or inconsistently applied across product variants or markets. Some key steps or safety precautions may be missing, and localisation or formatting may hinder usability. Validation may be informal or limited to internal review.	It is recommended to provide clear and detailed instructions that are fully aligned with UK standards, encompassing safety, environmental, and maintenance considerations.
Declaration of Conformity	G	The Declaration of Conformity is complete, accurate, and aligned with all applicable regulations and standards. It is version-controlled, signed by an authorised person, and traceable to the product's technical documentation. The process for generating and maintaining DoCs is documented and integrated into the product lifecycle and regulatory change management.	Complete DoC with UKCA marking, designated standards, and conformity assessment body details.
Lab Testing Reports	R	Lab testing reports are missing, outdated, or not traceable to the current product version. Testing may have been conducted without reference to recognised standards or by unqualified entities. There is no documented evidence of compliance with critical safety or performance requirements.	It is recommended that comprehensive laboratory testing reports are obtained from accredited laboratories to ensure full compliance with UKCA requirements. In particular, testing should include both Radio Equipment Regulations (RER) and Electromagnetic Compatibility (EMC) assessments, as evidence of conformity to all applicable standards is essential.

Area	Status	Findings	Recommendations
Bill of Materials	A	A BoM exists but may be manually maintained, inconsistently structured, or fragmented across systems. Some compliance attributes are tracked, but coverage may be incomplete or not validated. Change control may be informal, and integration with design, procurement, or regulatory systems is limited.	The Bill of Materials (BoM) is present; however, it currently lacks compliance flags or mechanisms for supplier traceability. Compliance flags are specific indicators within the BoM that denote whether each component or material meets relevant regulatory, safety, or environmental standards (such as UKCA, RoHS, or REACH). These flags help to quickly identify any items that may not be compliant, ensuring that only approved materials are used and that any potential risks are flagged early in the process.
Risk Assessments	A	A risk assessment exists but may be limited in scope, lacking depth or consistency across product variants. Some hazards are identified, but severity and likelihood evaluations may be informal or undocumented. Risk reduction measures are partially implemented or not traceable to design controls. Updates may be ad hoc, and integration with technical documentation is weak.	It is recommended to implement a structured methodology for risk assessments and to define clear mitigation actions to address identified hazards.

Area	Status	Findings	Recommendations
Technical Documentation	A	Technical documentation exists but may be inconsistently structured, partially complete, or not aligned with current product versions. Some documents may be outdated, lack version control, or be difficult to retrieve. Processes for maintaining documentation may be informal or reactive.	It is recommended to establish robust traceability and version control mechanisms, and to ensure that all key documents are included and maintained within the file.

4.2. Understanding the Assessment

The compliance health check is a systematic assessment designed to determine whether all aspects of a product, including its testing and documentation, meet the required standards for the target region or market. This process offers a comprehensive overview of the product's current compliance status by highlighting areas that are fully compliant as well as those where deficiencies exist. The health check facilitates a clear understanding of your product's alignment with regulatory requirements and pinpoints specific areas requiring improvement, allowing you to prioritize critical compliance issues effectively.

All assessment areas are evaluated using RAG (Red, Amber, Green) statuses to indicate the level of compliance. The table below provides an explanation of what each status represents.

RAG Status	Meaning	Description	Examples
R	**Non-Compliant / High Risk**	The product fails to meet one or more critical compliance requirements. Immediate action is needed to avoid legal, safety, or reputational consequences.	• No CE/UKCA marking where required • No RoHS declaration for electronics • Critical documentation (e.g., DoC, risk assessments) absent
A	**Partially Compliant / Moderate Risk**	The product meets some requirements but has gaps or issues that need resolution. May be acceptable temporarily but requires follow-up.	• CE marking present but technical file incomplete • Minor documentation errors (e.g., outdated standards referenced)
G	**Fully Compliant / Low Risk**	The product meets all relevant compliance requirements and has supporting documentation. No action needed.	• CE/UKCA marking with complete and traceable technical documentation • RoHS and REACH declarations supported by test data • Up-to-date risk assessments and conformity declaration

5. Follow-up Support

To ensure you have continued access to expert guidance after your compliance assessment, this report includes a set number of Insights. Each Insight allows you to submit focused follow-up questions related to the product and region assessed in this report.

5.1. How Insights Work:

- **What's included:** You can use your Insights to clarify findings, ask about specific standards or documentation, seek guidance on next steps, or request a quick review of updated materials.
- **How to submit:** Simply email or use our ticketing system to submit your questions. Each submission can include up to five clearly defined questions, allowing you to bundle related queries efficiently.
- **Response time:** We aim to respond to all Insight queries within three business days, ensuring you receive timely and actionable advice.
- **Scope:** Insights are intended to address compliance questions specific to the product and region covered in this report. For broader or new product queries, a new engagement may be required.

Your included Insight Credits: 2

If you have questions or need clarification on any aspect of this report, please use your Insight Credits to reach out. Our team is here to help you move forward with confidence.

6. Disclaimer

Advisory Nature of Services

BLS operates strictly as a compliance advisor. We are not a Notified Body, test house, certification authority, or regulatory enforcement agency. Our role is to provide guidance, interpretation, and support based on current standards and best practices. Any recommendations or assessments we provide should not be construed as formal certification or legal approval of any product or process.

No Guarantee of Compliance

While we endeavor to provide accurate and relevant advice, BLS does not and cannot guarantee the compliance of any product, system, or process. Compliance is ultimately determined by the relevant regulatory authorities and depends on a wide range of factors, including but not limited to product design, manufacturing practices, documentation, and testing.

Reliance on Client-Supplied Information

Our assessments, reports, and recommendations are based entirely on the information, documentation, and representations provided by the client. BLS is not responsible for verifying the accuracy or completeness of this information. Any errors, omissions, or misrepresentations in the client's submissions may materially affect the validity of our findings.

Temporal Validity of Reports

Regulatory standards, directives, and industry best practices are subject to change. As such, any report, checklist, or advisory output issued by BLS is valid only as of the date of publication. Clients are responsible for ensuring that they remain up to date with any subsequent changes to applicable regulations or standards that may affect their products or operations.

Client's Legal Responsibility

The client retains full legal responsibility for the compliance of their products, services, and operations. BLS's involvement does not transfer or diminish this responsibility. It is the client's duty to ensure that they understand all advice and documentation provided, and to seek further clarification or legal counsel where necessary.

Best Endeavors Basis

All services provided by BLS are offered on a best endeavors basis. We commit to applying our expertise diligently and professionally, but we do not warrant or represent that our services will result in regulatory approval, certification, or market access.

Timelines and Delivery

BLS does not guarantee specific timelines for the completion of compliance assessments, delivery of reports, or achievement of regulatory outcomes. While we strive to meet agreed schedules and deadlines, various factors including the complexity of the project, responsiveness of the client, and changes in regulatory requirements may affect delivery times. Clients should plan accordingly and understand that any estimated timelines are indicative only and not contractually binding.

Limitation of Liability

To the maximum extent permitted by law, BLS shall not be liable for any direct, indirect, incidental, or consequential damages arising from the use of our services, including but not limited to regulatory penalties, product recalls, or reputational harm.

By using BLS's compliance services, the client confirms their understanding and acceptance of the above terms.