



# UK TYPE EXAMINATION CERTIFICATE

## APPROVED BODY UK-TYPE EXAMINATION CERTIFICATE

*SHEA760-UK / 24 Sep 2021 / Rev B*

**UK Radio Equipment Regulations (S.I. 2017 No. 1206)**

MiCOM Labs Inc., Approved Body Number 2280 declares, on the basis of the assessment of the tests and the technical documentation provided by the applicant that the following product complies with the essential requirements of the above noted Regulations.

Product Name:

**SenseCAP M1 LoRaWAN Indoor Gateway**

Approval Holder Name:

**Seed Technology Co., Ltd.**



  
**Gordon Hurst, Product Certifier**

This Certificate is Issued under the Authority of:

**MiCOM Labs Inc., 575 Boulder Court, Pleasanton, California 94566, USA**

Approved Body Number: 2280

Product Name:

**SenseCAP M1 LoRaWAN Indoor Gateway**Product Model Numbers: **M1-2868, M1-4868, M1-8868**Brand Name: **Seeed Studio**

**Approval Holder:** **Seeed Technology Co., Ltd.**, 9F, G3 Building, TCL International E City, Zhongshanyuan Road, Nanshan District, Shenzhen, Guangdong Province, P.R.C

**Product Manufacturer:** **Seeed Technology Co., Ltd.**, 9F, G3 Building, TCL International E City, Zhongshanyuan Road, Nanshan District, Shenzhen, Guangdong Province, P.R.C

**Standards**

Group	Name
Section 6(1)(a) Health & Safety	BS EN 62368-1: 2014+A11: 2017
	BS EN IEC 62311: 2020
Section 6(1)(b) Electromagnetic Compatibility	EN 301 489-1 V2.2.3
	Draft EN 301 489-3 V2.1.2
	EN 301 489-17 V3.2.4
	BS EN 55032: 2015
	BS EN 55035: 2017
	BS EN IEC 61000-3-2: 2019
Section 6(2) Effective Use of Spectrum	BS EN 61000-3-3: 2013+A1:2019
	EN 300 328 V2.2.2
	EN 301 893 V2.1.1
	EN 300 440 V2.2.1
	EN 300 220-1 V3.1.1
	EN 300 220-2 V3.2.1

Annex 1 to UK-Type Examination

UK-Type examination on the essential requirements  
Section 6

Section 6(1) - a) Health and Safety	Assessed
Section 6(1) - b) Electromagnetic compatibility	Assessed
Section 6(2) - Effective use of radio spectrum	Assessed

Description of Apparatus

Company Name	Seeed Technology Co., Ltd.
Certification No.	SHEA760-UK
Issue Date / Rev	24 Sep 2021 / Rev B
Equipment Description	SenseCAP M1 LoRaWAN Indoor Gateway
Hardware Version	V1.1
Firmware Version	V1.0

Emission Information

Technology	Frequency MHz		Emission Designator	RF Power		
	From	To		Max	Type	Field Strength
Bluetooth BDR/EDR	2402MHz	2480MHz	F1D, G1D	3.26dBm	EIRP	--
Bluetooth BLE	2402MHz	2480MHz	F1D	0.09dBm	EIRP	--
WLAN	2412MHz	2472MHz	G1D, D1D	18.18dBm	EIRP	--
RLAN 5.2G	5180MHz	5240MHz	D1D	8.3dBm	EIRP	--
RLAN 5.8G	5745MHz	5825MHz	D1D	10.16dBm	EIRP	--
SRD	867.1MHz	868.5MHz	F1D	13.487dBm	ERP	--

**Technical Construction File Details: (Documents Reviewed)****Technical Report(s):**

Section 6(1)(a) Health &amp; Safety:

18220WC10209203H

18220WC10209202S

Section 6(1)(b) Electromagnetic Compatibility:

18220WC10209201E

Section 6(2) Effective Use of Spectrum:

18220WC10209204W

18220WC10209205W

18220WC10209206W

18220WC10209207W

18220WC10209208W

18220WC10209209W

**Supporting Documentation:**

Service Agreement

Agent Authorization

UK Application

UK Declaration of Conformity

External Photographs

Internal Photographs

Label and its Location

Test Setup - UK

UK Risk Assessment

SHEA677\_UK\_Cert

**Scope**

This UK-Type Examination Certificate is given in respect of compliance of the noted Radio Equipment per Section 6 Essential Requirements of UK Radio Equipment Regulations (SI 2017 No. 1206). The scope of the evaluation and this certificate relates only to those items identified in 'Annex 1 to UK-Type Examination Certificate' for the specific product and Certificate number referenced above.

UK Type Examination was performed according to Module B: UK-type examination procedure per Schedule 3 of the Regulation on the essential requirements in Section 6, for the specific product and Certificate Number referenced above.

This UK-Type Examination Certificate is based upon the review of the Technical Documentation and supporting evidence for the adequacy of the technical design solution, it is only valid in conjunction with the attached Annexes. The scope of this statement relates to a single sample of the apparatus identified above and of the submitted documents only.

The obligations of the following parties; Manufacturers, Importers, Distributors; are as defined in the UK Radio Equipment Regulations(SI 2017 / 1206) in conjunction with amendments in UK Statutory Instruments 2019 No. 696 Schedule 29.

<https://www.legislation.gov.uk/uksi/2017/1206/contents>

<https://www.legislation.gov.uk/uksi/2019/696/schedule/29>