

CERTIFICATE

CERTIFICATE Of Conformity

Directive 2014/53/EU

On The Radio Equipment Directive

Certificate No.: AT18220WC101557
Certificate Holder: Seeed Technology Co., Ltd.
Address: 9F, G3 Building, TCL International E City, Zhongshanyuan Road, Nanshan District, Shenzhen, Guangdong Province, P.R.C
Manufacturer: Seeed Technology Co., Ltd.
Address: 9F, G3 Building, TCL International E City, Zhongshanyuan Road, Nanshan District, Shenzhen, Guangdong Province, P.R.C
Product Name: SenseCAP M1 LoRaWAN Indoor Gateway
Model No.: M1-2868B, M1-4868B, M1-8868B
Trade Mark: Seeed Studio
Rating: Input: DC 5V, 0.65A

The radio equipment meets the following essential requirements		Complied
Article 3(1)(a) ■ Safety	EN 62368-1: 2014+A11: 2017	Yes
Article 3(1)(a) ■ Health	EN IEC 62311: 2020	Yes
Article 3(1)(b) ■ EMC	ETSI EN 301 489-1 V2.2.3 (2019-11) Draft ETSI EN 301 489-3 V2.1.2 (2021-03) ETSI EN 301 489-17 V3.2.4 (2020-09) EN 55032: 2015; EN 55035: 2017 EN IEC 61000-3-2: 2019; EN 61000-3-3: 2013+A1:2019	Yes
Article 3(2) ■ Radio	ETSI EN 300 328 V2.2.2 (2019-07) ETSI EN 301 893 V2.1.1 (2017-05) ETSI EN 300 440 V2.2.1 (2018-07) ETSI EN 300 220-1 V3.1.1 (2017-02) ETSI EN 300 220-2 V3.2.1 (2018-06)	Yes

Note: The attached Annex forms part of this certificate which consists of 2 pages.

Jul. 28, 2021
Date



Certified by

Kingkong Jin



The CE Marking may only be used if all relevant and effective EU Directives are complied with



Shenzhen Anbotek Compliance Laboratory Limited

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Annex of RED Certificate Certificate Number: AT18220WC101557

Product Specifications	
Frequency Range:	BDR+EDR/BLE: 2402-2480MHz SRD: 867.1~868.5MHz WiFi 2.4G: 2412-2472MHz WiFi 5.1G: 5180~5240MHz WiFi 5.8G: 5745~5825MHz
RF Output Power (EIRP):	BDR+EDR: 3.79dBm Max. BLE: 0.81dBm Max. SRD: 13.943dBm Max. WiFi 2.4G: 18.15dBm Max. WiFi 5.1G: 6.3dBm Max. WiFi 5.8G: 10.16dBm Max.
Modulation:	BDR+EDR: GFSK, $\pi/4$ -DQPSK, 8-DPSK BLE: GFSK SRD: LoRa Chirp Spread Spectrum WiFi 2.4G: CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM WiFi 5G: OFDM with BPSK/QPSK/16QAM/64QAM/256QAM
Max. Antenna Gain:	BDR+EDR/BLE: 3.5dBi; WiFi 2.4G: 3.5dBi; WiFi 5.1G: 2.3dBi; WiFi 5.8G: 2.3dBi; SRD: 2.8dBi;
Type of Antenna:	BDR+EDR&BLE&WiFi 2.4G&WiFi 5G: PCB antenna SRD: Cylindrical antenna

Technical Documentation Identification

Test Report	
Article 3(1)(a) ■ Safety	18220WC10155702S
Article 3(1)(a) ■ Health	18220WC10155703H
Article 3(1)(b) ■ EMC	18220WC10155701E
Article 3(2) ■ Radio	18220WC10155704W, 18220WC10155705W, 18220WC10155706W, 18220WC10155707W, 18220WC10155708W, 18220WC10155709W

Notes:

- The certificate of conformity is based on an evaluation of a sample of the above-mentioned product. Technical report and documentation are at the applicant's disposal. This is to certify that the tested sample is in compliance with the requirements of article 3 of the Radio Equipment Directive 2014/53/EU. The certificate does not imply assessment of the production and does not permit the use of Lab's logo. The applicant of the certificate is authorized to use this certificate in connection with EU declaration of conformity to article 18 of the Directive.
- The manufacturer shall affix the CE marking to each item of radio equipment that is in conformity with the certificate and satisfies the applicable requirement of the Directive.
- The manufacturer shall draw up a written EU declaration of conformity for each radio equipment type and keep it at the disposal of the national authorities for 10 years after the radio equipment has been placed on the market. The EU declaration of conformity shall identify the radio equipment type for which it has been drawn up. A copy of the EU declaration of conformity shall be made available to the relevant authorities upon request.

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