EU Declaration of Conformity / EU-Konformitätserklärung

JungleSIM T1H Climate Sensor

DRAFT for review, not yet signed. This declaration becomes valid only when the manufacturer signs it. Open points before signing are listed in the conformity assessment report T1H-CAR-001.

Item / Angabe	Details
1. Product / Produkt	Radio equipment: wireless temperature and humidity sensor / Funkanlage: kabelloser Temperatur- und Feuchtesensor
Type, model / Typ, Modell	JungleSIM T1H Climate Sensor, model T1H
Hardware / software version	Sensor module rev 2.0, SHT45 board rev 1.0, case rev 1.1; firmware build ____ or later (first build for board rev 2.0)
Serial numbers / Seriennummern	T1H-YYMM-NNN
2. Manufacturer / Hersteller	JungleVault (Lucas Bohunovsky), Frauenstiftgasse 5/1/11, 1210 Wien, Austria / Österreich, contact@thejunglevault.com

3. This declaration of conformity is issued under the sole responsibility of the manufacturer. / Die alleinige Verantwortung für die Ausstellung dieser Konformitätserklärung trägt der Hersteller.

4. Object of the declaration / Gegenstand der Erklärung: JungleSIM T1H Climate Sensor, a battery-powered sensor with the Sensirion SHT45 temperature and humidity sensor, a rechargeable lithium polymer battery (3.7 V, 500 mAh) with protection circuit, USB-C charging and the radio module ESP32-C3-MINI-1 (Espressif Systems).

5. The object of the declaration described above is in conformity with the relevant Union harmonisation legislation: / Der oben beschriebene Gegenstand der Erklärung erfüllt die einschlägigen Harmonisierungsrechtsvorschriften der Union:

- Directive / Richtlinie 2014/53/EU (radio equipment, RED), including Delegated Regulation (EU) 2022/30 (Art. 3(3)(d) and (e))
- Directive / Richtlinie 2011/65/EU and (EU) 2015/863 (RoHS)

6. Harmonised standards and other technical specifications applied / Angewandte harmonisierte Normen und technische Spezifikationen:

Requirement / Anforderung	Standard / Norm
RED Art. 3(1)(a) health and safety	EN IEC 62368-1:2020+A11:2020 (incl. Annex M, batteries); EN IEC 62311:2020 (RF exposure, by calculation); cell to EN 62133-2
RED Art. 3(1)(b) EMC	ETSI EN 301 489-1 V2.2.3; ETSI EN 301 489-17 V3.2.4
RED Art. 3(2) radio spectrum	ETSI EN 300 328 V2.2.2
RED Art. 3(3)(d), (e) network protection, privacy	EN 18031-1:2024; EN 18031-2:2024
RoHS	EN IEC 63000:2018

7. Conformity assessment procedure / Konformitätsbewertungsverfahren: Internal production control, RED Annex II (Module A). The radio module ESP32-C3-MINI-1 holds an EU type-examination certificate from TIMCO Engineering (notified body 1177, certificate E1177-210536, 2 June 2021) for RED Art. 3(1)(a), 3(1)(b) and 3(2); the manufacturer relies on it for the radio part as described in T1H-CAR-001.

8. Radio / Funk: Frequency band / Frequenzband 2400-2483.5 MHz (ESP-NOW, IEEE 802.11 b/g/n). Maximum radio-frequency power transmitted / maximale Sendeleistung: 20 dBm e.i.r.p.

9. Accessories, software / Zubehör, Software: Dust plug. Firmware JungleSIM sensor, updated over the air through the S1M.

10. Additional information / Zusatzangaben: The product contains a rechargeable lithium polymer battery (Regulation (EU) 2023/1542). Technical documentation kept by the manufacturer for 10 years after the last unit is placed on the market.

Signed for and on behalf of / Unterzeichnet für und im Namen von: JungleVault

Item / Angabe	Details
Place, date / Ort, Datum	Wien, _____
Name, function / Name, Funktion	Lucas Bohunovsky, owner / Inhaber
Signature / Unterschrift	_____

Revisions

Rev	Date	Changes
1	2026-10-24	First issue. Draft, not yet signed.