

EU Declaration of Conformity

Radio Equipment Directive 2014/53/EU · RoHS Directive 2011/65/EU

DECLARATION NO. SC-DoC-EU-001	ISSUE 1	DATE OF ISSUE 27 October 2026
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1 Product	SleepCogni® Sleep Aid System – SC-Hub — base station (2.4 GHz and 5 GHz Wi-Fi, Bluetooth Low Energy) – SC-Handheld — handheld ring trigger (Bluetooth Low Energy) – External power supply — MEAN WELL NGE12112-P1J Hardware version: V1.0 Firmware: Hub V1.0 / Handheld V1.0 Serial numbers: from SC-00001 / SCH-00001
2 Manufacturer	Braintrain2020 Limited (trading as SleepCogni) Kroto Innovation Centre, North Campus, University of Sheffield 318 Broad Lane, Sheffield, S3 7HQ, United Kingdom
3 Responsibility	This declaration of conformity is issued under the sole responsibility of the manufacturer.
4 Object of the declaration	A home-use wellbeing device that helps the user reach a sleep-ready state with tactile vibration cues. The handheld ring trigger communicates continuously with the hub over Bluetooth Low Energy. The hub sends usage data to the internet over Wi-Fi. Radio functions and maximum rated power (e.i.r.p.): – SC-Hub: Wi-Fi 2.4 GHz (2400–2483.5 MHz) 16.9 dBm; Wi-Fi 5 GHz RLAN 16.8 dBm; BLE (2400–2483.5 MHz) 9.7 dBm – SC-Handheld: BLE (2400–2483.5 MHz) 6.0 dBm
5 Union harmonisation legislation	The object of the declaration described above conforms to the relevant Union harmonisation legislation: – Directive 2014/53/EU (Radio Equipment), including Commission Delegated Regulation (EU) 2022/30 for Article 3(3)(d) – Directive 2011/65/EU (RoHS), as amended by Commission Delegated Directive (EU) 2015/863 Radio equipment is outside the scope of the Low Voltage Directive 2014/35/EU and the EMC Directive 2014/30/EU. Their objectives are covered by Article 3(1)(a) of Directive 2014/53/EU (safety requirements of 2014/35/EU, with no voltage limit) and Article 3(1)(b) (EMC requirements of 2014/30/EU).

6 Harmonised standards and technical specifications applied

Essential requirement	Standard	Applies to	Supporting evidence
Art. 3.1(a) Health & safety (LVD objectives)	EN IEC 62368-1:2020 + A11:2020 Electrical safety; covers 2014/35/EU objectives	System	CB Test Certificate GB-EMT 2650 Test Report TRA-063150-43-00A TRA-063150-43-01A (adds NGE12112-P1J PSU)
	EN 62311:2020 (RF exposure)	SC-Hub	TRA-063150-47-10A
	EN 62311:2020 (RF exposure)	SC-Handheld	TRA-063150-47-11A
Art. 3.1(b) EMC (2014/30/EU objectives)	ETSI EN 301 489-1 V2.2.3 (2019-11)	System	TRA-063150-44-00A / -01A / -02A TRA-063150-44-04A (NGE12112-P1J PSU, see section 8)
	ETSI EN 301 489-17 V3.3.1 (2024-09)		
	EN 55014-1:2021		
	EN 55014-2:2021		
	EN 61000-3-2:2019 + A1:2021		
	EN 61000-3-3:2013 + A1:2019 + A2:2021		

Essential requirement	Standard	Applies to	Supporting evidence
Art. 3.2 Effective use of radio spectrum	ETSI EN 300 328 V2.2.2 (2019-07) — BLE	SC-Handheld	TRA-063150-47-06A
	ETSI EN 300 328 V2.2.2 (2019-07) — BLE and 2.4 GHz WLAN	SC-Hub	TRA-063150-47-05A TRA-063150-47-04A
	ETSI EN 301 893 V2.1.1 (2017-05) — 5 GHz WLAN	SC-Hub	TRA-063150-47-07A
Art. 3.3(d) Network protection	EN 18031-1:2024	SC-Hub	TRA-063150-41-01A
RoHS Hazardous substances	EN IEC 63000:2018	System	Technical documentation (supplier declarations)

Testing was carried out by Element Materials Technology, a UKAS-accredited laboratory (ISO/IEC 17025). The radio modules in the SC-Hub (Raspberry Pi 4 Model B Wi-Fi/BLE and TP-Link UB4A BLE adapter) have their own conformity evidence. These modules were re-assessed in the combined equipment in line with ETSI EG 203 367.

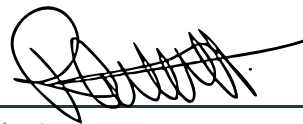
7 Conformity assessment	Internal production control (Module A, Annex II of Directive 2014/53/EU). No notified body was involved.
8 Accessories and software	Supplied with external power supply MEAN WELL NGE12112-P1J. The PSU is not radio equipment. It is placed on the market with the power supply manufacturer's own EU declaration of conformity under Directives 2014/35/EU (LVD), 2014/30/EU (EMC) and 2011/65/EU (RoHS), and Regulation (EU) 2019/1782 (ecodesign). The NGE12112-P1J replaces the power supply used for the original EMC tests (TRA-063150-44-00A to -02A). The manufacturer has assessed this change (SC-TF-EMC-001). Element re-measured the mains conducted emissions and the radiated emissions (30 MHz to 6 GHz) of the complete system with the new power supply, on two samples in two operating modes (TRA-063150-44-04A). All results were within the EN 55032 Class B limits. The minimum radiated emissions margin improved from 3.1 dB to 9.3 dB, and conducted emissions remained at least 10.8 dB below the limits. The power supply does not form part of the radio functions, and its own EU declaration covers immunity. The safety assessment was extended to the new power supply (TRA-063150-43-01A). On this basis, the manufacturer declares that the original test results remain representative of the product as supplied, and that full EMC re-testing is not required. Compliance applies to the firmware versions listed in section 1 and to later versions that do not affect compliance with the essential requirements.
9 Technical documentation	The technical documentation is held by the manufacturer at the address in section 2 and is available to market surveillance authorities on request.

Signed for and on behalf of

Braintrain2020 Limited

Name Richard Mills
Position Chief Executive Officer
Place Sheffield, United Kingdom
Date 27 October 2026

Signature



Authorised signatory