



UK TYPE EXAMINATION CERTIFICATE

APPROVED BODY UK-TYPE EXAMINATION CERTIFICATE

JYTS287-UK / 11 May 2021 / Rev A

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:

Nebra Smart Indoor LoRa Gateway / Nebra HNT Indoor Hotspot Miner

Approval Holder Name:

Nebra 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:

Nebra Smart Indoor LoRa Gateway / Nebra HNT Indoor Hotspot Miner

Product Model Numbers: HNTIN-470-G, HNTIN-868-G, HNTIN-915-G, HNTIN-433-G, HNTIN-470, HNTIN-868, HNTIN-915, HNTIN-433

Approval Holder: Nebra Ltd, Unit 4 Bells Yew Green Business Court, Bells Yew Green, Tunbridge Wells TN3 9BJ

Product Manufacturer: Nebra Ltd, Unit 4 Bells Yew Green Business Court, Bells Yew Green, Tunbridge Wells TN3 9BJ

Standards

Group	Name
Section 6(1)(a) Health & Safety	EN 62368-1:2014/A11:2017
	IEC 62368-1:2014 (Second Edition)
	EN 62311: 2020
Section 6(1)(b) Electromagnetic Compatibility	EN 301 489-1 V2.2.3
	EN 301 489-3 V2.1.1
	EN 301 489-17 V3.2.4
	EN 301 489-19 V2.1.1
	EN 303 413 V1.1.1
	EN 55032:2015
	EN 55035:2017
	EN 61000-3-2:2014
	EN 61000-3-3:2013
Section 6(2) Effective Use of Spectrum	EN 300 328 V2.2.2
	EN 300 220-1 V3.1.1
	EN 300 220-2 V3.2.1
	EN 303 413 V1.1.1

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	Nebra Ltd
Certification No.	JYTS287-UK
Issue Date / Rev	11 May 2021 / Rev A
Equipment Description	Nebra Smart Indoor LoRa Gateway / Nebra HNT Indoor Hotspot Miner
Hardware Version	a98bfc8
Firmware Version	V12-15-2020-1614

Emission Information

Technology	Frequency MHz		Emission Designator	RF Power		
	From	To		Max	Type	Field Strength
GPS	1575.42MHz	1575.42MHz	--	--	--	--
Bluetooth BDR/EDR/LE	2402MHz	2480MHz	F1D, G1D	2.42dBm	EIRP	--
WLAN	2412MHz	2472MHz	G1D, D1D	15.17dBm	EIRP	--
Lora	868.1MHz	868.5MHz	F1D	12.84dBm	ERP	--

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

Section 6(1)(a) Health & Safety:
JYTSZB-R12-2100659
JYTSZS21004012
Section 6(1)(b) Electromagnetic Compatibility:
JYTSZB-R01-2100195
JYTSZB-R01-2100196
Section 6(2) Effective Use of Spectrum:
JYTSZB-R12-2100654
JYTSZB-R12-2100655
JYTSZB-R12-2100656
JYTSZB-R12-2100657
JYTSZB-R12-2100658
AGC004051706001EE11
AGC00405170601EE04
SZAWW180830005-04W
DL-2019092954R

Supporting Documentation:

Service Agreement
Agent Authorization
UK Application
UK Declaration of Conformity
Block Diagram
BOM or Parts List
External Photographs
Internal Photographs
Label and its Location
Operational Description
PCB Layout
Schematics
Test Setup - UK
User Manual
UK Radio Equipment Regulations Risk Assessment

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>